

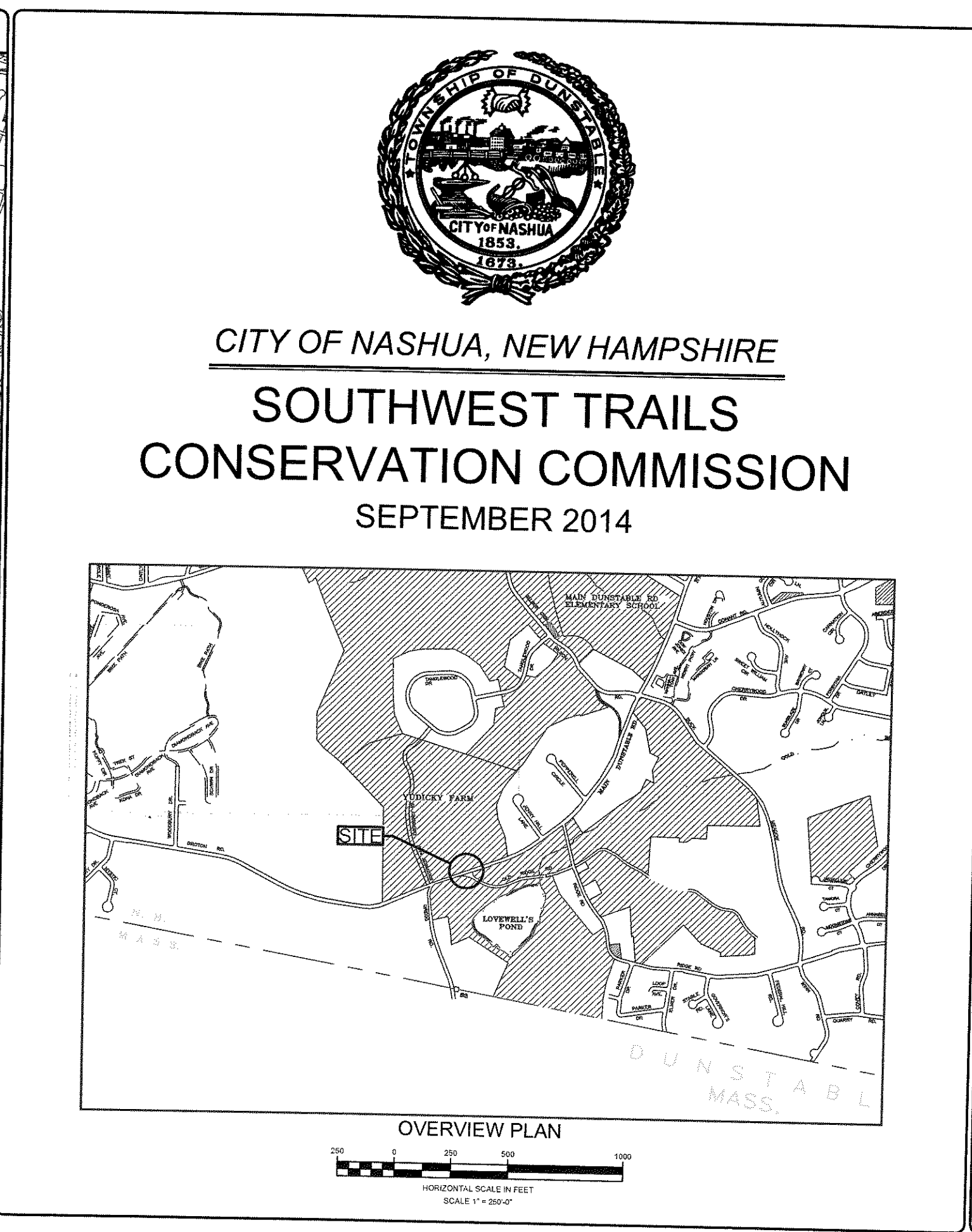
**CONSERVATION COMMISSION MEMBERS**

MICHAEL GALLAGHER ( CHAIRMAN)  
 NICHOLAS FRASCA ( VICE CHAIRMAN)  
 RICHARD GILLESPIE (CLERK)  
 SHERRY DUTZY (TREASURER)  
 CYNTHIA OVERBY  
 CAROL GORLICK  
 PEGGY TRIVILINO  
 DONALD CEDERQUIST

**MAYOR**

HONORABLE DONNALEE LOZEAU  
**COMMUNITY DEVELOPMENT**  
 SARAH MARCHANT - COMMUNITY DEV. DIRECTOR

**CONSERVATION COMMISSION ALDERMANIC REPRESENTATIVE**  
 MICHAEL SOUCY



*CITY OF NASHUA, NEW HAMPSHIRE*

**SOUTHWEST TRAILS  
CONSERVATION COMMISSION**

SEPTEMBER 2014

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<b>ADD ALTERNATES</b>	
27	ADD ALTERNATE PLAN # 1
28	ADD ALTERNATE PLAN # 2

NO.	REVISION DESCRIPTION	DATE
PROJECT DESCRIPTION:		
SOUTHWEST TRAIL PROJECT		
GROTON RD, OLD RIDGE RD BUCKMEADOW		
PREPARED BY:		
CITY OF NASHUA NEW HAMPSHIRE		
PLANNING DEPARTMENT		
229 MAIN STREET		
NASHUA, NEW HAMPSHIRE 03061		

- NOTES:
1. ALL TREES NOT LOCATED WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE OF DISTURBED AREAS SHALL BE PRESERVED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL TREES TO BE PRESERVED FROM HIS ACTIVITIES.
  2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
  3. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIP LINES.
  4. FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIP LINE) OR CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
    - 4A. SOIL COMPACTION IN CRZ AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIAL.
    - 4B. CRZ DISTURBANCES DUE TO GRADE CHANGES OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CIT OF NASHUA REPRESENTATIVE..
    - 4C. WOUNDS TO EXPOSED ROOTS, TRUNK, OR LIMBS BY MECHANICAL EQUIPMENT
    - 4D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING, AND FIRES.
  5. EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRIP LINES, WHICHEVER IS GREATER, MAY BE PERMITTED IN THE FOLLOWING CASES:
    - 5A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, OR TREE WELL;
    - 5B. WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
    - 5C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN 6 FEET TO THE BUILDING.
    - 5D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE REPRESENTATIVE TO DISCUSS ALTERNATIVES.
  6. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 5 FEET TO A TREE TRUNK, THE TRUNK SHALL BE PROTECTED BY STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
  7. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIP LINE OR CRZ, WHICHEVER IS GREATER, THOSE AREAS SHOULD BE COVERED WITH 4 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
  8. ALL GRADING WITHIN CRZ AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA.
  9. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
  10. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIP LINES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT, IN A LOCATION AND TO A DEPTH APPROVED BY THE FORESTRY MANAGER, TO MINIMIZE DAMAGE TO REMAINING ROOTS.
  11. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON LEAVES.
  12. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, A PLASTIC VAPOR BARRIER SHALL BE PLACED BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE CRZ.
  13. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
  14. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OR CRZ OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.
  15. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. ALL PRUNING MUST BE DONE ACCORDING TO CITY STANDARDS AND AS OUTLINED IN LITERATURE PROVIDED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA PRUNING TECHNIQUES).
  16. THE CITY OF NASHUA HAS THE AUTHORITY TO REQUIRE ADDITIONAL TREE PROTECTION BEFORE OR DURING CONSTRUCTION.
  17. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT OTHER TREES.

NOTES:

1. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 6".
2. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF LOGS DURING RAINFALL EVENT FOR PROPER PERFORMANCE.
3. LOGS SHALL CONSIST OF 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE CONTAINMENT MESH STUFFED WITH FILTER MATERIAL.
4. STUFF LOGS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE DENSITY THAT WILL HOLD SHAPE WITHOUT EXCESSIVE DEFORMATION. FILTER MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR WOOD FIBERS, CHIPPED, 100% RECYCLABLE FIBERS, OR ANY SITE VEGETATION, COCONUT FIBERS OTHER ACCEPTABLE MATERIAL, EXCLUDING STRAW AND HAY.
5. STAKES SHALL BE 2" X 2" WOOD, 4' LONG, EMBEDDED SUCH THAT 2" PROTRUDES ABOVE LOG, OR AS DIRECTED.

NOTES:

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MIN. OF ONE (1') FOOT.
2. THE TDE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT) WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHALL BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS SECURELY FASTENED TO THE STEEL FENCE POSTS.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
8. SILT FENCE SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED

TRAIL NOTES

1. ALL PLANS MUST BE APPROVED BY THE CITY PRIOR TO CONSTRUCTION OF THE TRAIL. TRAIL CENTERLINE TO BE STAKED IN THE FIELD BY CONTRACTOR AND APPROVED BY THE CITY OF NASHUA REPRESENTATIVE.
2. MAXIMUM SIDE SLOPE IS 3:1. GRADE WITH COMPACTED TOPSOIL, BACKFILL AS REQUIRED. BOTTOM OF SIDE SLOPE SHALL BE GRADED TO PREVENT ACCUMULATION OF RUN-OFF.
3. ALL TRAIL CONSTRUCTION SHALL INCLUDE REMOVAL OF ROCKS, STUMPS, EXPOSED ROOTS, AND BRANCHES. MINIMUM BRANCH CLEARANCE ABOVE TRAIL SURFACE IS 7'-6". FOR BICYCLE TRAILS, MINIMUM BRANCH CLEARANCE FROM TRAIL SURFACE IS 10'.
4. CROSS-SLOPE FOR TRAIL SURFACE IS 2% OR AS DIRECTED BY THE ENGINEER.
5. WIDTH OF PATHS SHALL BE 8' IN CERTAIN CIRCUMSTANCES, THE USE OF THE PATH SHALL 6' WHICH MAY BE APPROPRIATE FOR MINOR CONNECTIONS.

GENERAL PLANTING NOTES

1. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL OTHER SITE IMPROVEMENTS PRIOR TO BEGINNING LANDSCAPE WORK.
2. THE GENERAL CONTRACTOR IS TO PROVIDE SUBGRADES 4" BELOW HARD SURFACES PLUS/MINUS .1 FOOT.
3. LANDSCAPE PLANTING AREAS SHALL BE FREE OF DEBRIS AND ROCKS LARGER THAN 3" IN ANY DIRECTION.
4. TOPSOIL WITH A MINIMUM OF 30% ORGANIC CONTENT SHALL BE PLACED AT A MINIMUM DEPTH OF 4" IN LANDSCAPE AREA.
5. TOPSOIL SHALL BE TILLED INTO THE EXISTING SUBGRADE TO ELIMINATE SOIL INTERFACE PROBLEMS.
6. ALL LANDSCAPE PLANTING AREAS RECEIVE A MINIMUM OF 3" MEDIUM-FINE BARK MULCH.
7. ALL PLANT MATERIALS ARE TO CONFORM TO THE AMERICAN NURSERYMEN, STANDARDS FOR NURSERY STOCK.
8. PLANT SPECIES SUBSTITUTIONS ARE DISCOURAGED. IF PLANT AVAILABILITY IS A PROBLEM, CONTACT THE LANDSCAPE DESIGNER FOR ACCEPTABLE ALTERNATIVES.
9. IF THE SITE WORK IS DIFFERENT OR MODIFIED FROM WHAT IS DEPICTED ON THE LANDSCAPE PLAN, OR POOR SOIL AND/OR DEBRIS ARE ENCOUNTERED, REQUIRING CHANGES TO THE LANDSCAPE PLAN, CONTACT THE LANDSCAPE DESIGNER FOR INSTRUCTION.
10. THE CONTRACTOR SHALL MAINTAIN AND WATER PLANT MATERIAL UNTIL OWNER'S FINAL ACCEPTANCE.
11. FIELD ADJUST THE LOCATION OF TREES AND SHRUBS TO AVOID CONFLICT WITH LOCATION OF ANY UTILITIES. CONTACT LANDSCAPE DESIGNER IF PROBLEMS ARE ENCOUNTERED.
12. "ROOTS" FERTILIZE SHALL BE MIXED IN TO ALL PLANTING SOIL..



**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE



SCALE AS NOTED

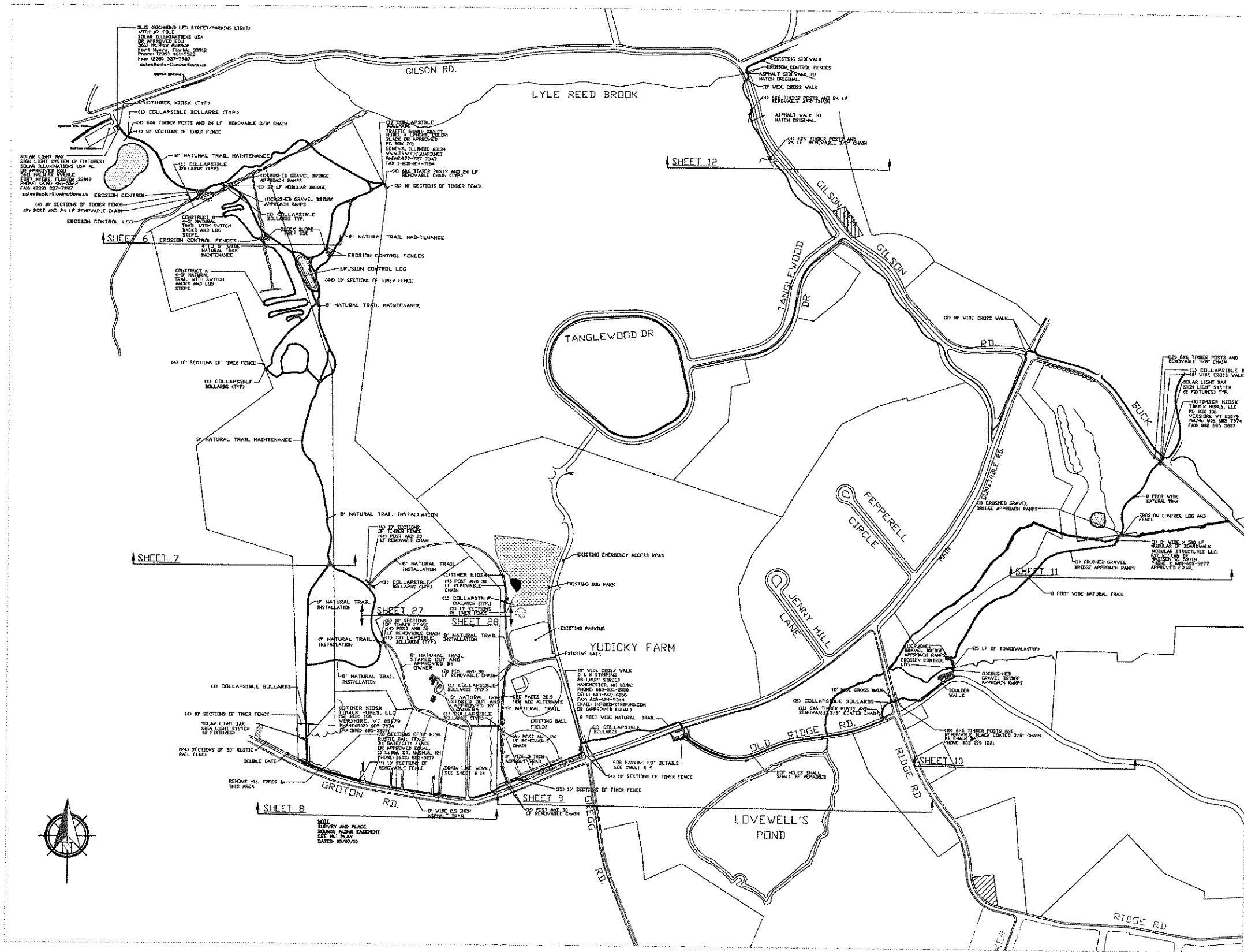
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DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
CONSTRUCTION NOTES

SHEET NO.  
229  
MAIN STREET  
SHEET  
2  
OF 28



**NOTES:**

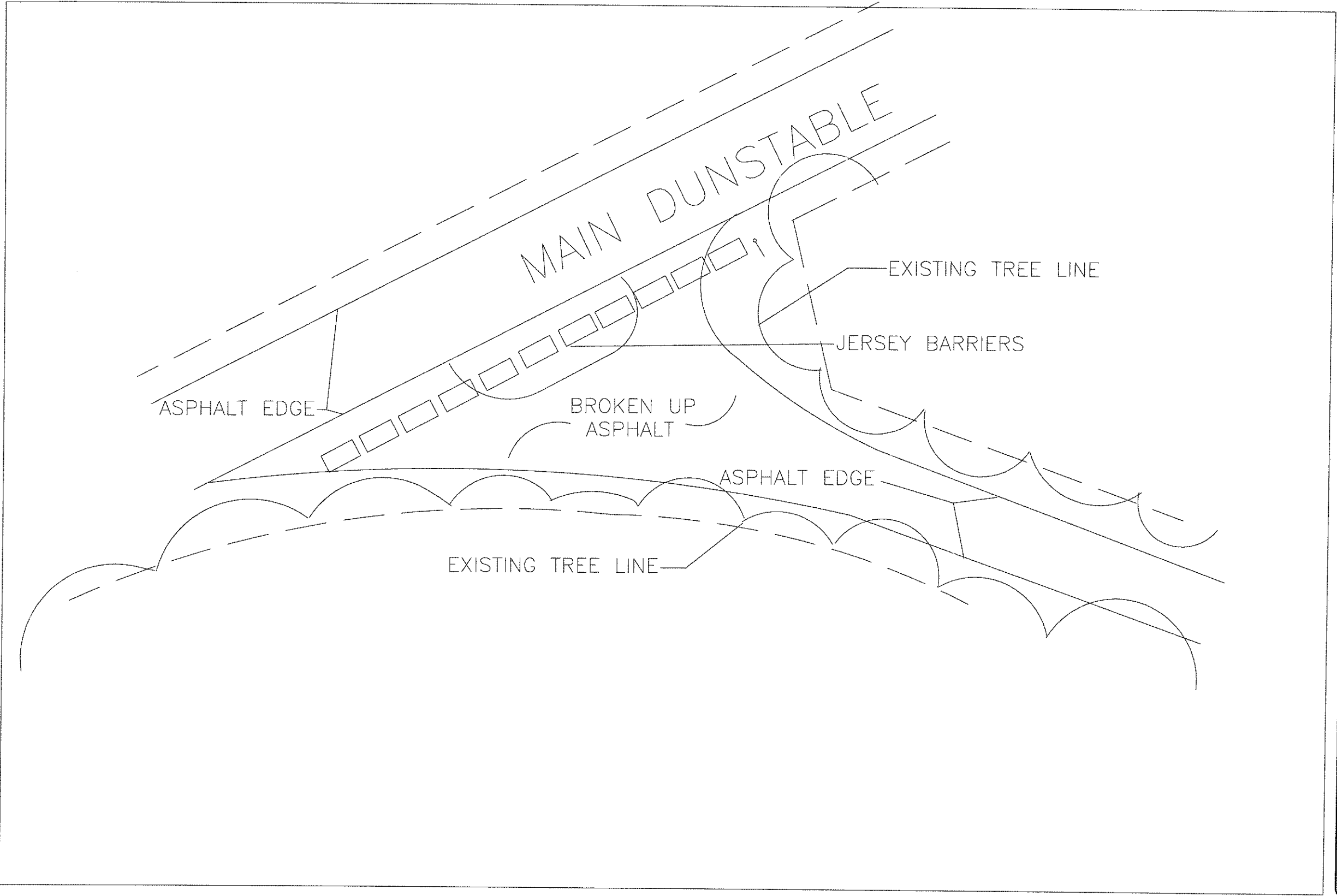
1. TOTAL LOT SIZE - MAIN DUNSTABLE - 0.19 ACRES
2. PRESENT ZONING - R-40 SUBURBAN RESIDENCE
3. **PURPOSE OF THE PLAN:**  
THE PURPOSE OF THE PLAN IS TO CONSTRUCT A PARKING AREA FOR THE SOUTH WEST TRAIL SYSTEM.
4. **PARKING**  
7 SPACE WITH 1 HANDICAPPED SPACES
5. LANDSCAPING SHALL CONFORM TO THE APPLICABLE CITY OF NASHUA LAND USE CODE UNDER ARTICLE XXVII.
6. ALL SIGNS SHALL CONFORM TO THE APPLICABLE CITY OF NASHUA LAND USE CODE AND MUTCD LATEST EDITION
7. SITE IMPROVEMENTS SHALL CONFORM TO TITLE III OF THE AMERICANS WITH DISABILITY ACT WITH REGARD TO DIMENSION AND THE NUMBER OF HANDICAPPED PARKING SPACES
8. IT SHALL BE UNLAWFUL TO MODIFY, CHANGE OR ALTER ANY STRUCTURE SHOWN ON THIS SITE PLAN IN ANY WAY WHAT SO EVER OR CONVERT OR ALTER ANY STRUCTURE SHOWN ON THIS SITE PLAN OR CHANGE THE ABOVE INDICATED USE ON THE PLAN WITHOUT RECEIVING APPROVAL FROM THE CITY OF NASHUA.
9. THERE ARE NO WETLANDS ON THE SITE THAT EXCEED 3,000 S.F.
10. FUTURE BUILDING CONSTRUCTION SHALL INCORPORATE FOUNDATION DRAINAGE SYSTEM, EXCEPT WHERE AN INVESTIGATION ESTABLISHES SPECIFIC BUILDING SITES LOCATED IN WELL DRAIN SOILS AND THAT SUCH A SYSTEMS ARE NOT REQUIRED
11. HOURS OF OPERATION 6 AM. TO DUSK
12. SOLAR SHALL BE USED ON THIS PROJECT. ALL LIGHTING SHALL BE DIRECTED ON TO THE SITE TO CONFORM TO THE CITY OF NASHUA LAND USE REGULATIONS
13. THE PARCEL IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY THE FLOOD INSURANCE STUDY (FIRM). HILLSBOROUGH COUNTY, THE CITY OF NASHUA, NH COMMUNITY # 330097 PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. MAP NO. 330110C0634D DATE SEPTEMBER 23, 2009
14. PRESENT OWNER OF RECORD:  
L. OLD RIDGE RD  
CITY OF NASHUA  
PO BOX 2019  
NASHUA NH 03061
15. PRIOR TO ANY WORK BEING CONDUCTED A PRE CONSTRUCTION MEETING SHALL BE HELD WITH THE PLANNING STAFF AND OTHER DEPARTMENTS AS NECESSARY TO REVIEW THE WORK THAT IS PROPOSED.
16. NO NEW UTILITIES ARE BEING PROPOSED FOR THIS PROJECT.

NO.	REVISION DESCRIPTION	DATE
1	Remove Groton Rd Parking Area	9/29/14

**SOUTHWEST TRAIL PROJECT  
MASTER PLAN**  
GROTON RD, OLD RIDGE RD, BUCKMEADOW

SCALE: 1"=100'  
PREPARED BY:

**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061




LEGEND

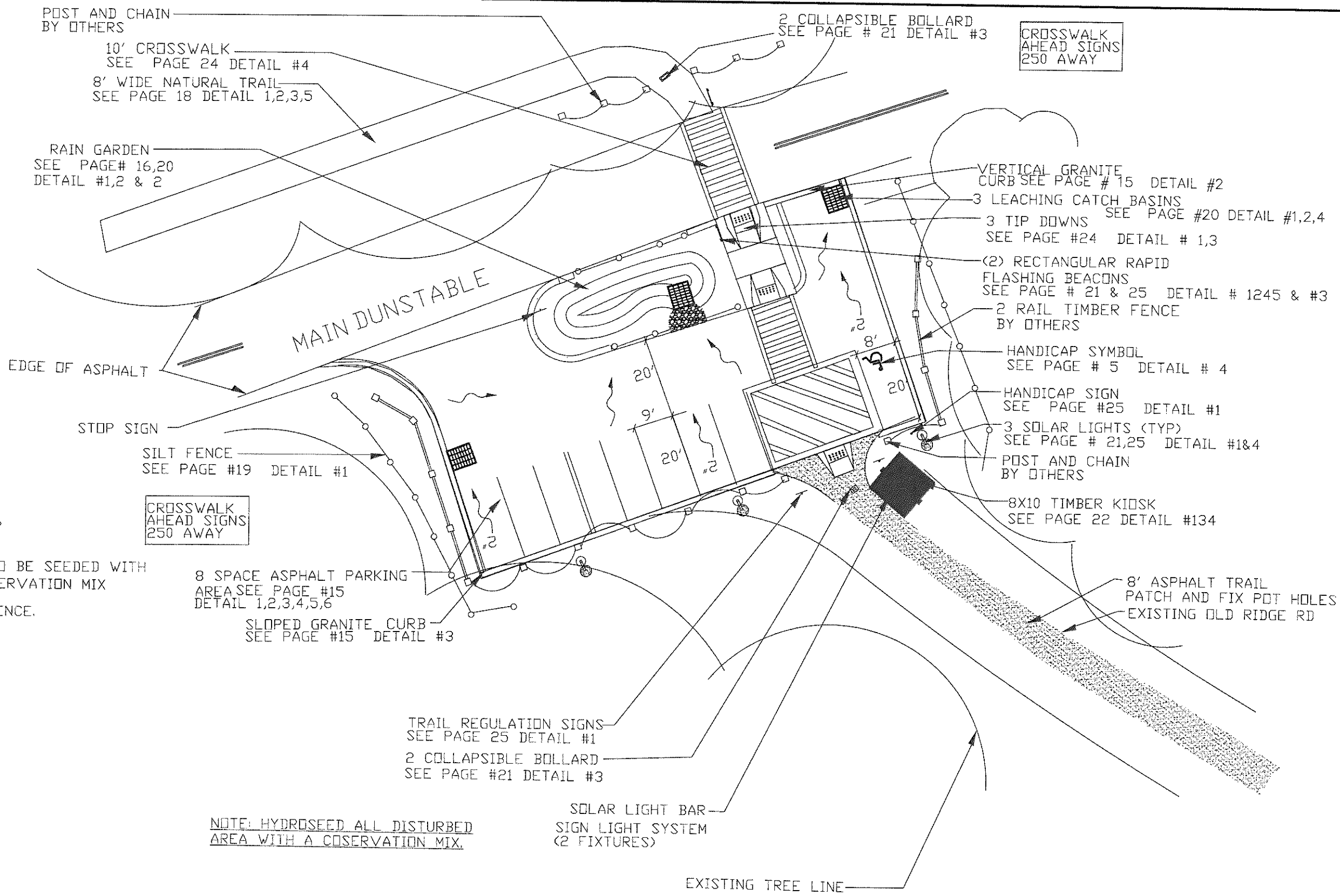
- PROPERTY LINE    - - - - -
- RIGHT OF WAY LINE    ————
- EXISTING STREET SIGN    \

NO.	REVISION DESCRIPTION	DATE




**SOUTHWEST TRAIL PROJECT**  
**EXISTING SITE PLAN**  
L OLD RIDGE

PREPARED BY:  
**CITY OF NASHUA NEW HAMPSHIRE**  
PLANNING DEPARTMENT  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061





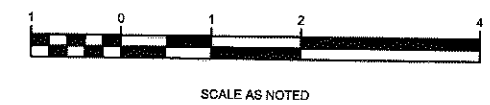
**KEY:**

-  RIP RAP
-  AREA TO BE SEEDDED WITH A CONSERVATION MIX
-  SILT FENCE.

NOTE: HYDROSEED ALL DISTURBED AREA WITH A CONSERVATION MIX.

**CITY OF NASHUA NEW HAMPSHIRE  
PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

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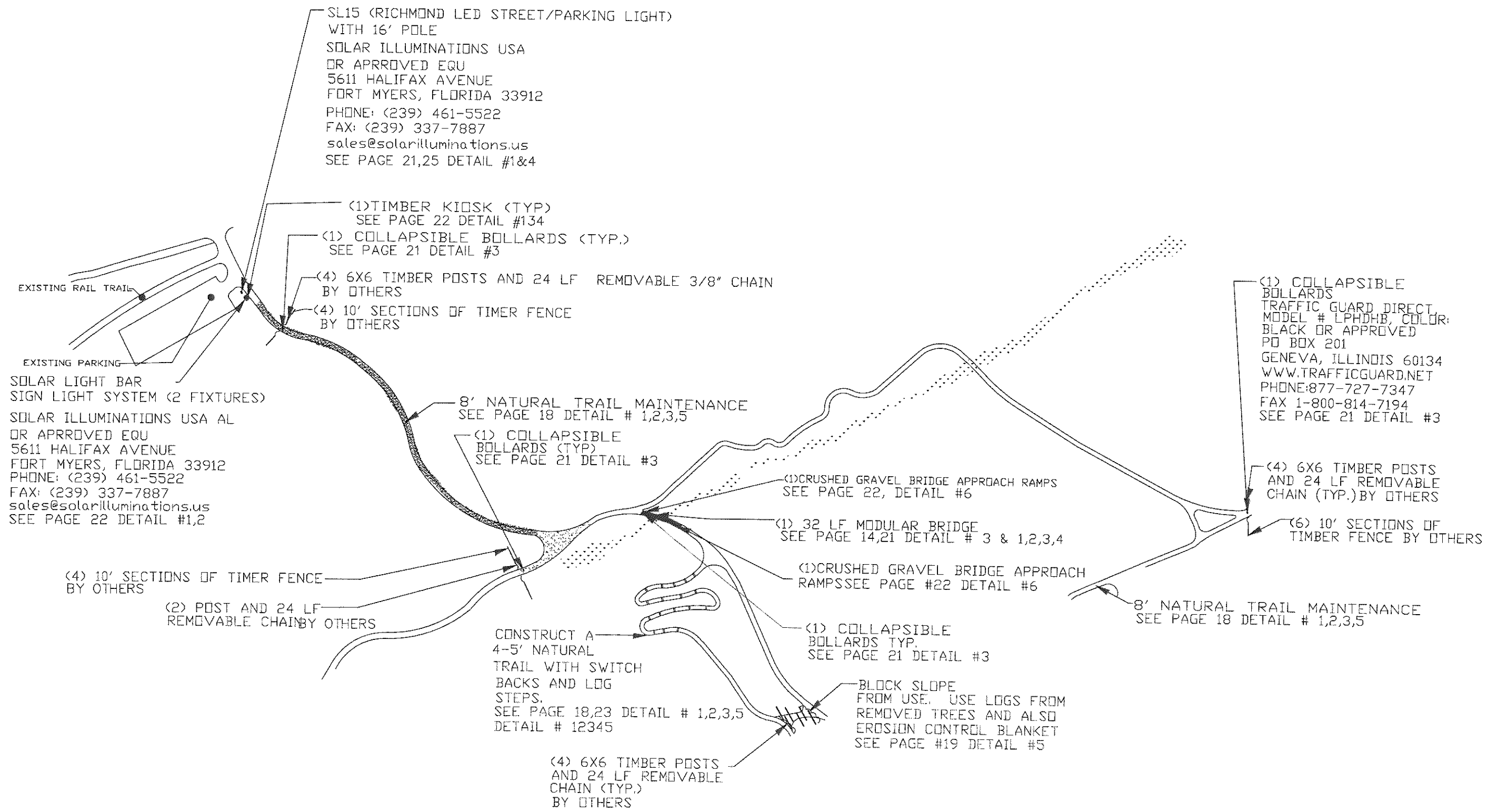


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NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS  
PLANNING DEPARTMENT**  
OLD RIDGE RD. PARKING LOT SITE PLAN

DATE  
SEPTEMBER  
2014

PROPERTY LOCATION  
229 MAIN STREET  
SHEET  
5  
OF 28



**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

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NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
GILSON RD PLAN

TAXMAP PARCEL  
PROPERTY LOCATION  
229  
MAIN  
STREET  
SHEET  
6  
OF 28

CONSTRUCT A  
4-5' NATURAL  
TRAIL WITH SWITCHBACKS  
SEE PAGE 23 DETAIL 1,2,3,4,5

NATURAL TRAIL CONSTRUCTION  
SEE PAGE 18 DETAIL 1,2,3,5

(6) 10' SECTIONS OF 2 RAIL TIMBER FENCE  
BY OTHERS

8' NATURAL TRAIL MAINTENANCE  
SEE PAGE 18 DETAIL 1,2,3,5

(4) 6X6 TIMBER POSTS AND 24 LF  
REMOVABLE CHAIN (TYP.)  
BY OTHERS

(44) 10' SECTIONS OF TIMBER FENCE  
BY OTHERS

8' NATURAL TRAIL MAINTENANCE  
SEE PAGE 18 DETAIL 1,2,3,5

8' NATURAL TRAIL MAINTENANCE  
SEE PAGE 10 DETAIL 1,2,3,5

CITY OF NASHUA NEW HAMPSHIRE  
PLANNING DEPARTMENT  
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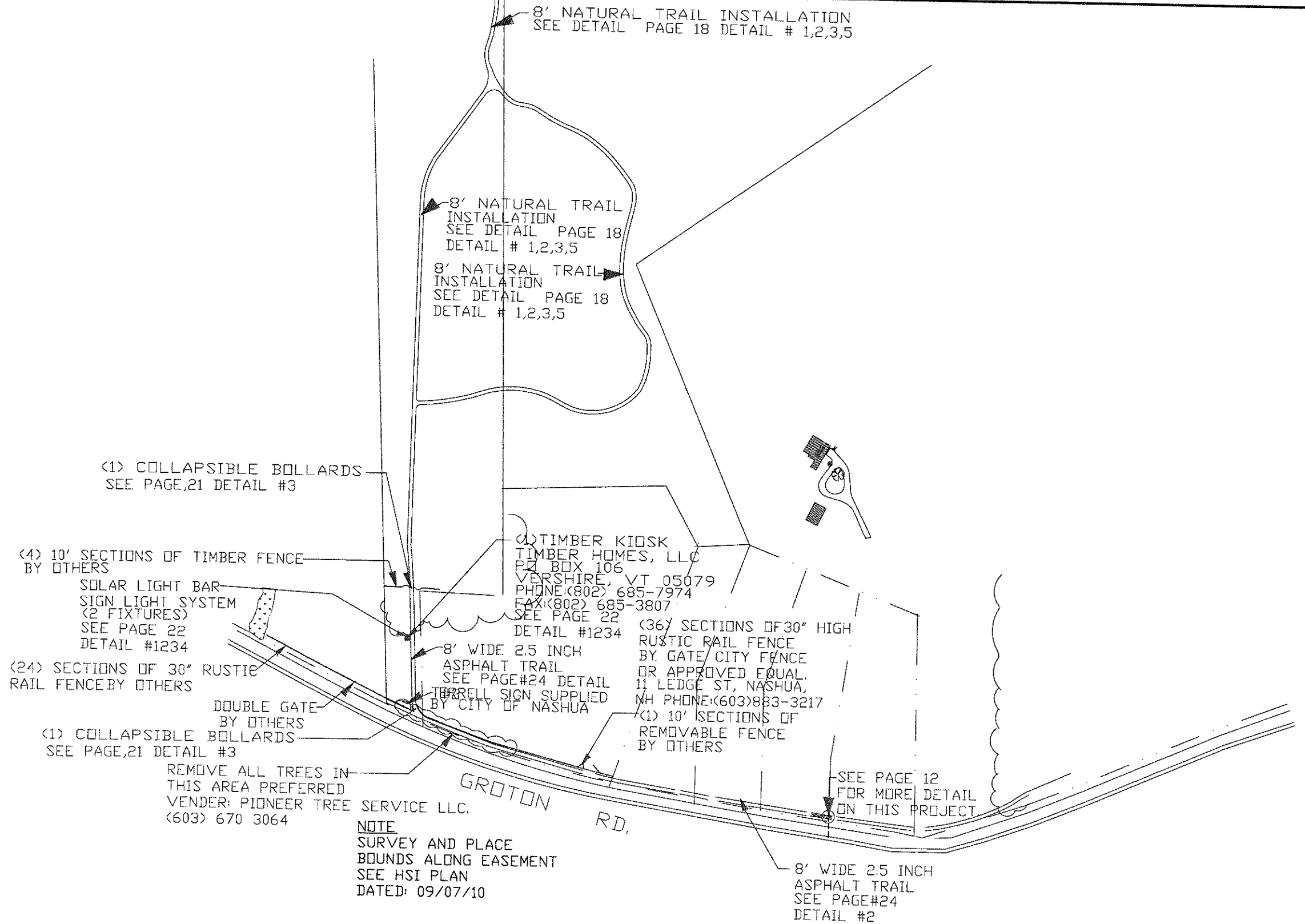
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PLAN OF  
**SOUTHWEST TRAILS**  
PLANNING DEPARTMENT  
TERRELL PLAN

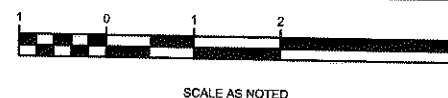
TAXMAP PARCEL  
IDENTIFICATION  
229  
MAIN  
STREET  
SHEET  
7  
OF 28





CITY OF NASHUA NEW HAMPSHIRE  
PLANNING DEPARTMENT  
229 MAIN STREET  
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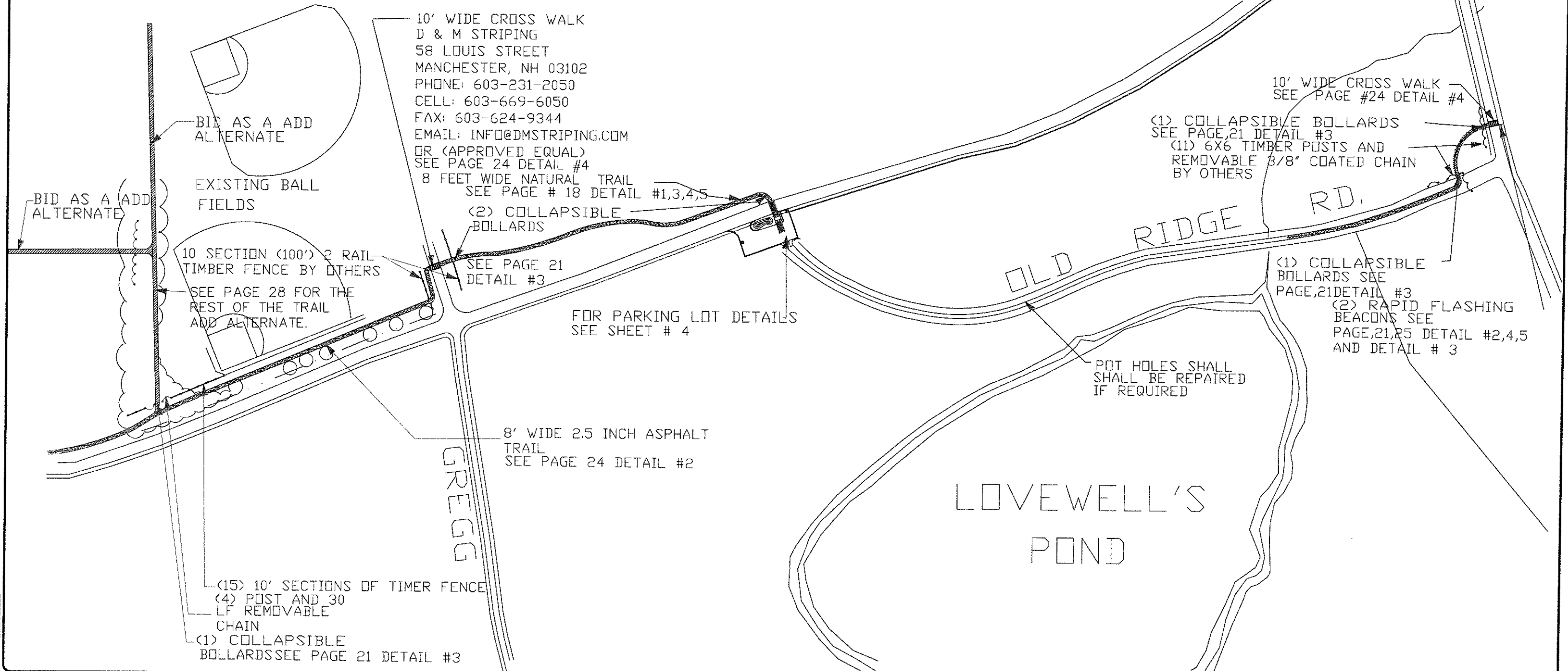
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NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS  
PLANNING DEPARTMENT**  
GROTON RD PLAN

TAXING DISTRICT  
PROPERTY LOCATION  
229  
MAIN  
STREET  
SHEET  
**8**  
OF 28



# YUDICKY FARM



**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
 229 MAIN STREET  
 NASHUA, NEW HAMPSHIRE 03061

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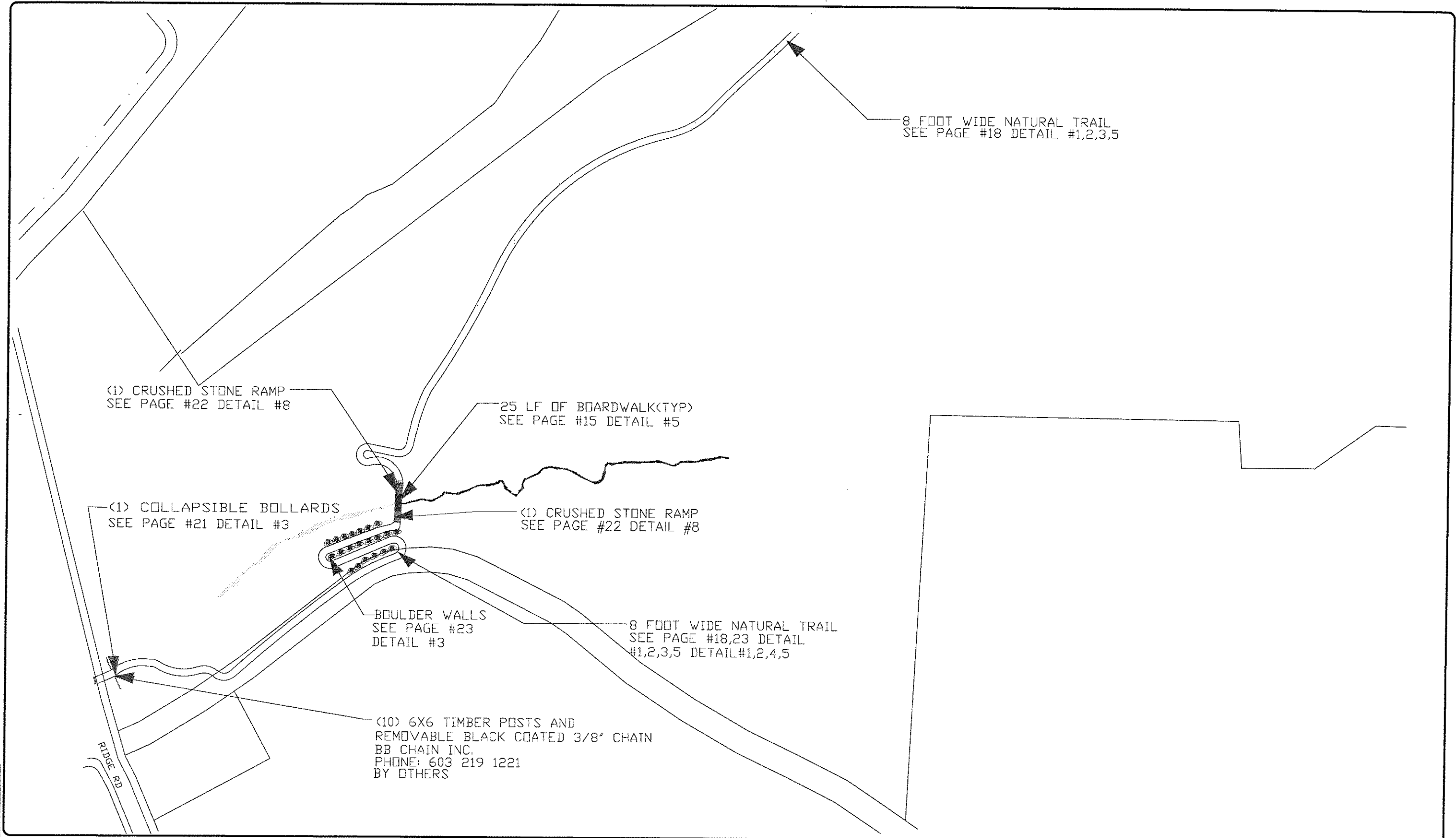
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NASHUA, NEW HAMPSHIRE  
 PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
 MAIN DUNSTABLE PLAN

TAX MAP  
 229  
 MAIN  
 STREET  
 SHEET  
 9  
 OF 26



**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
 229 MAIN STREET  
 NASHUA, NEW HAMPSHIRE 03061

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NASHUA, NEW HAMPSHIRE  
 PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
 RIDGE RD. PLAN

DATE  
 SEPTEMBER  
 2014

229  
 MAIN  
 STREET  
 SHEET  
 10  
 OF 28

(2) 10' WIDE CROSS WALK  
SEE PAGE #24  
DETAIL #4

(8) 6X6 TIMBER POSTS AND  
REMOVABLE 3/8" CHAIN  
BY OTHERS

(1) COLLAPSIBLE BOLLARDS  
SEE PAGE#21 DETAIL #3

SOLAR LIGHT BAR  
SIGN LIGHT SYSTEM  
(2 FIXTURES) TYP.  
SEE PAGE #22 DETAIL # 1,2

10' WIDE CROSS WALK  
SEE PAGE # 24 DETAIL # 4

(1)TIMBER KIOSK  
TIMBER HOMES, LLC  
PO BOX 106  
VERSHIRE VT 05079  
PHONE: 802 685 7974  
FAX: 802 685 3807  
SEE PAGE #22 DETAIL # 3,4

BUCK

DUNSTABLE RD.

MAIN

CRUSHED GRAVEL  
APPROACH RAMPS  
SEE PAGE#22  
DETAIL#6

8 FOOT WIDE  
NATURAL  
TRAIL  
SEE PAGE #18 DETAIL # 4

CRUSHED GRAVEL  
APPROACH RAMPS  
SEE PAGE#22  
DETAIL#6

(1) 8' WIDE X 510 LF  
MODULAR OF BOARDWALK  
MODULAR STRUCTURES LLC.  
617 MCLEAN DR  
MADISON WI 53718  
PHONE # 608-609-9277  
APPROVED EQUAL  
SEE PAGE #21,14  
DETAIL #3, DETAIL  
#1,2,3,4

**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

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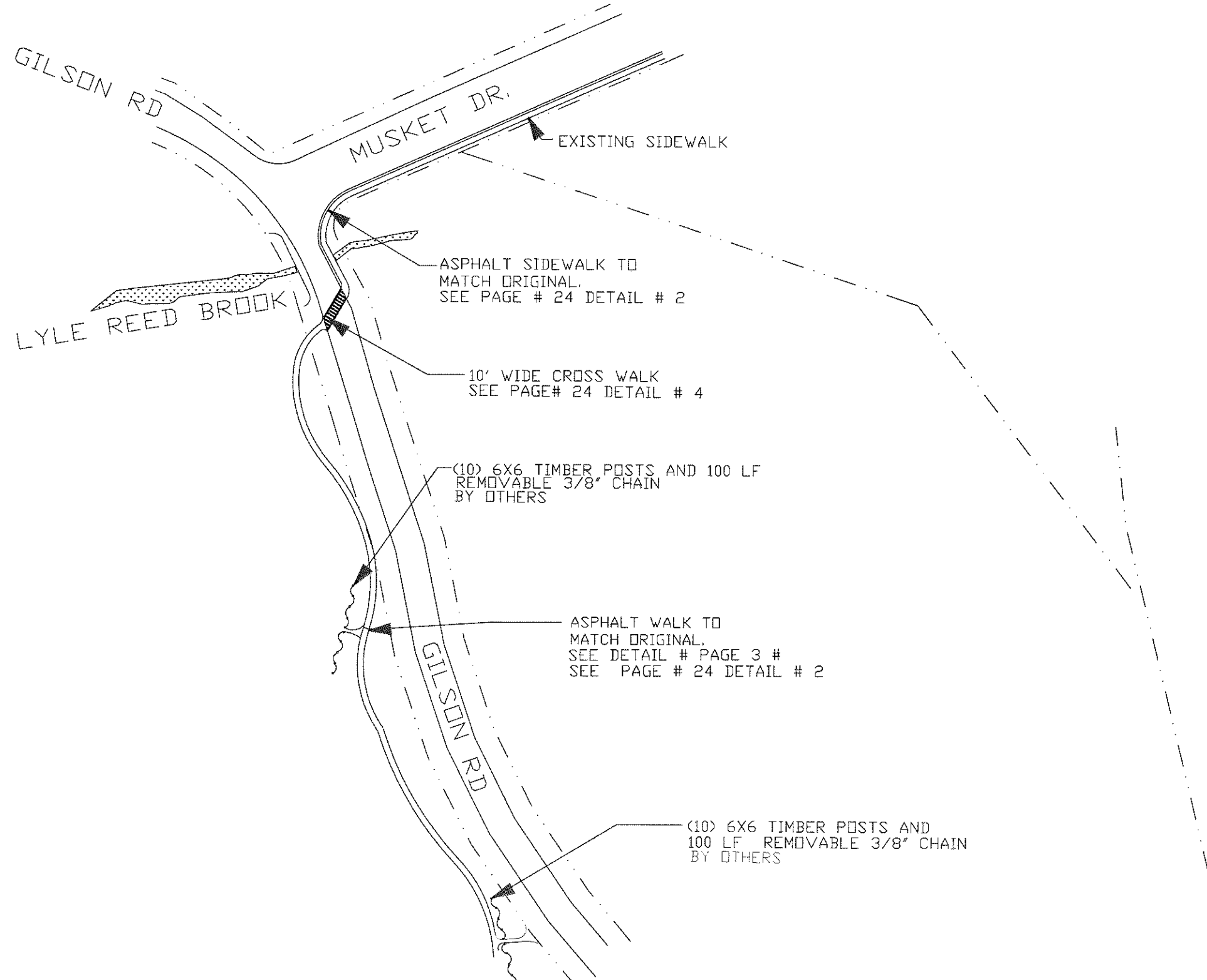
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2014

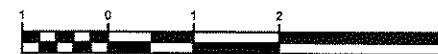
NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
BUCKMEADOW PLAN

TAX MAP PARCEL  
PROPERTY LOCATION  
229  
MAIN  
STREET  
SHEET  
11  
OF 28



CITY OF NASHUA NEW HAMPSHIRE  
PLANNING DEPARTMENT  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE



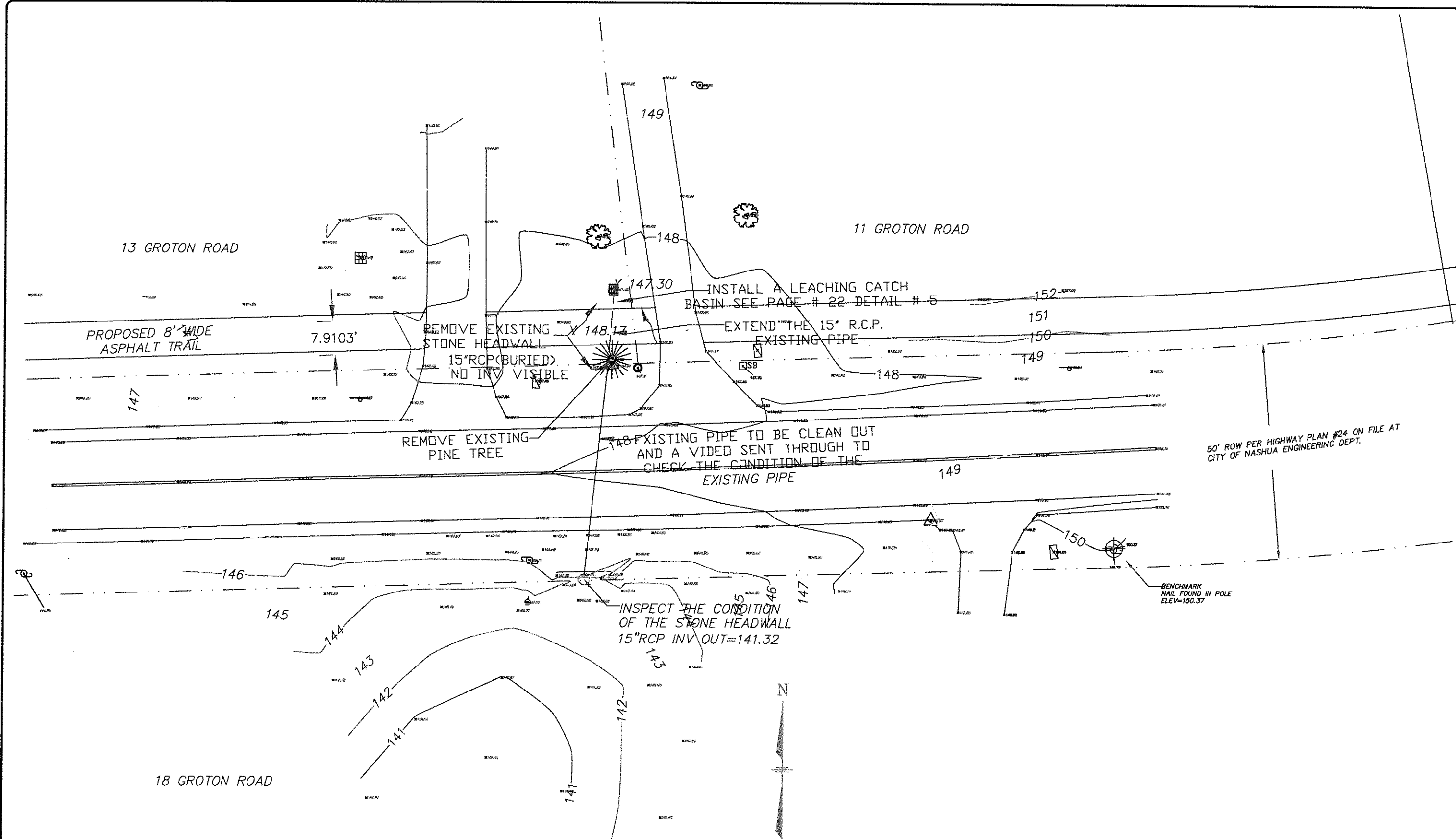
SCALE AS NOTED

DRAWN BY:	DESIGNED BY:	REVIEWED BY:
C. SULLIVAN	C. SULLIVAN	T. WATSON

DATE  
SEPTEMBER  
2014


NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
MUSKET AND GILSON SIDEWALK IMPROVEMENTS

TAX MAP PARCEL  
229  
MAIN  
STREET  
SHEET  
12  
OF 28

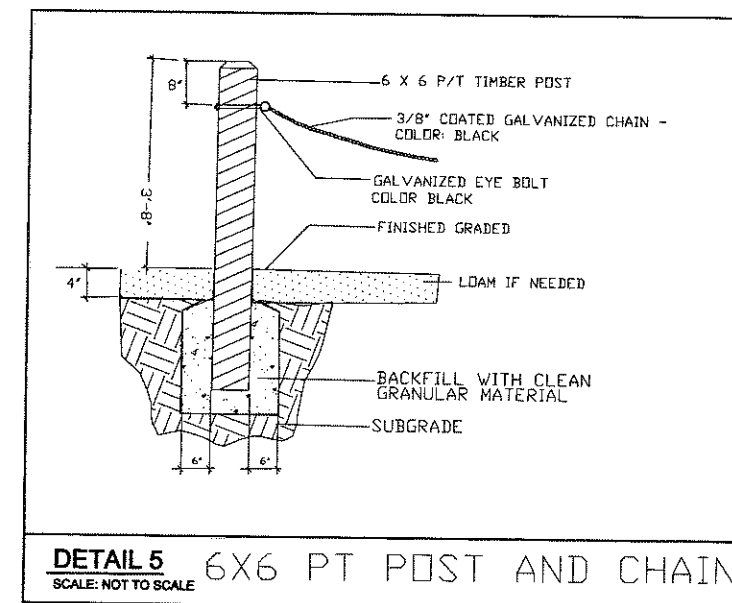
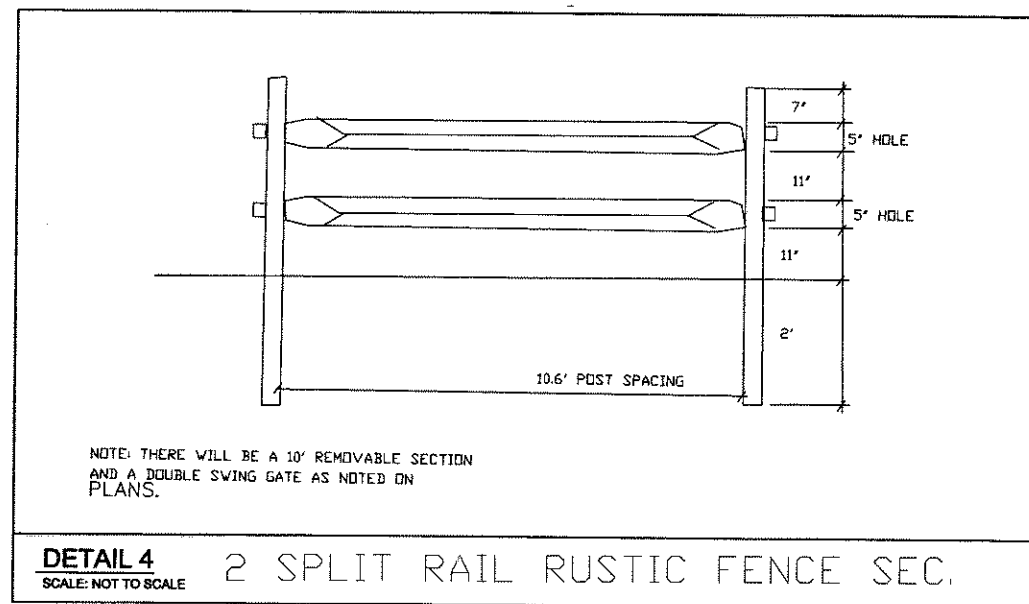
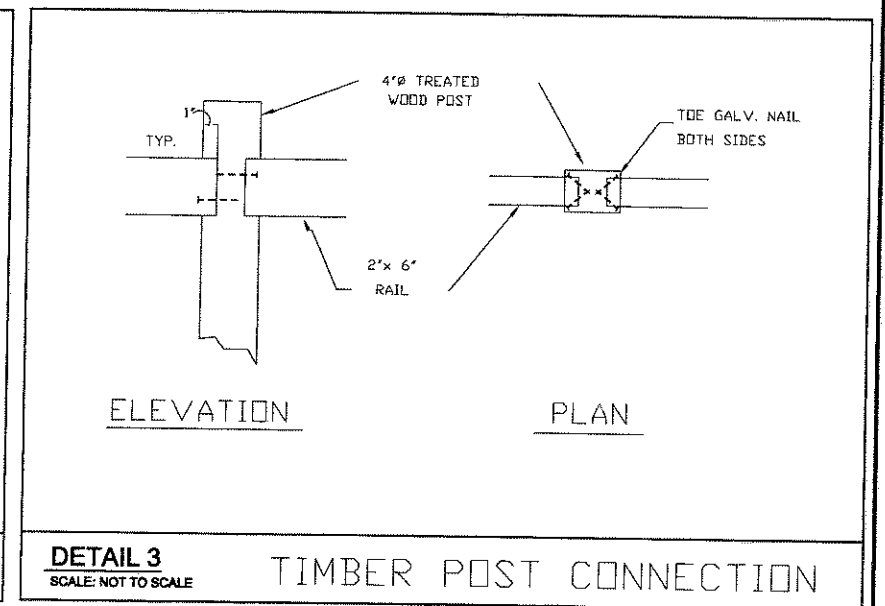
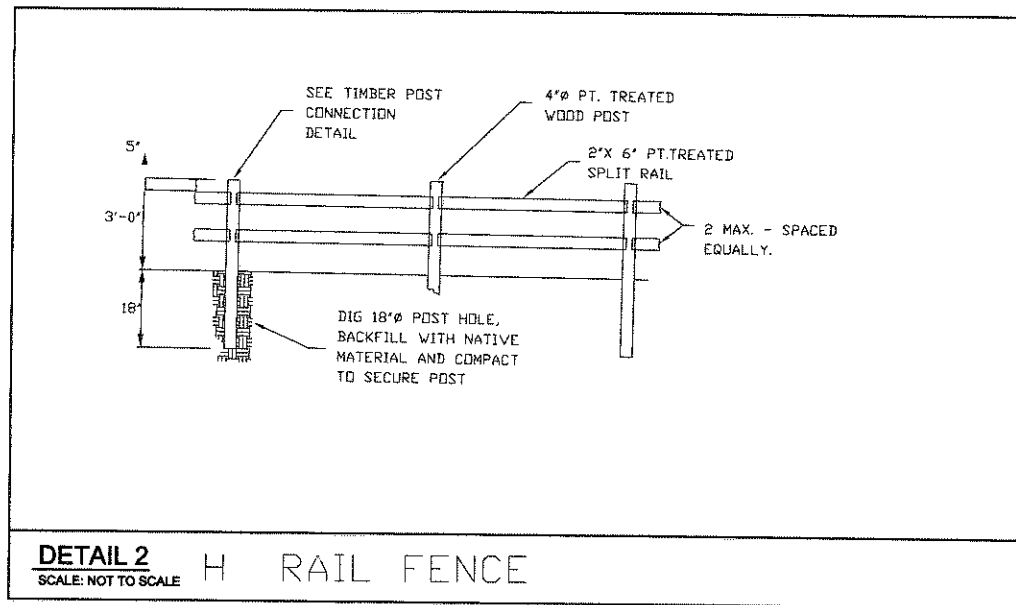
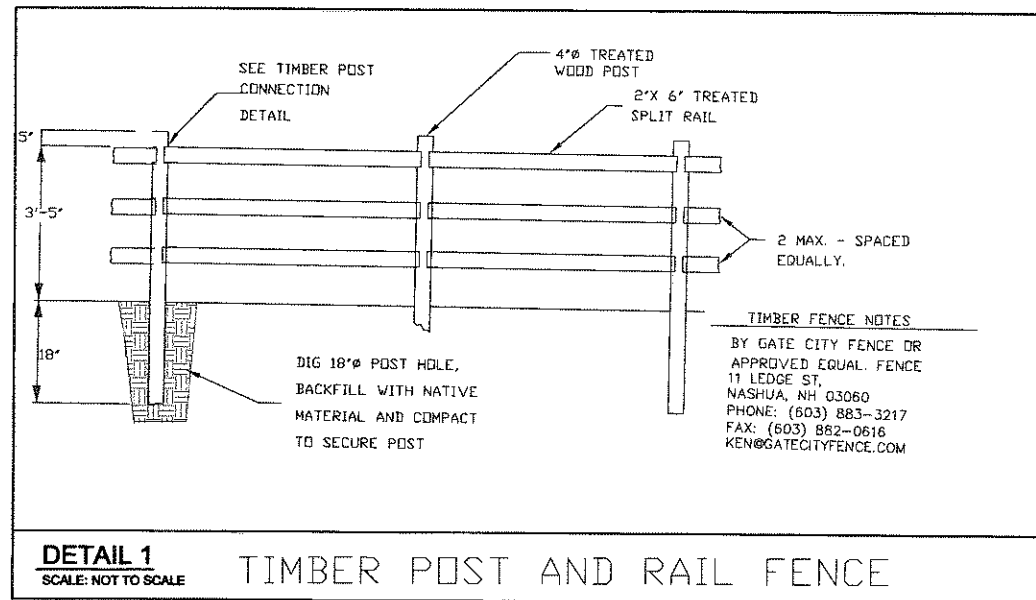


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**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE



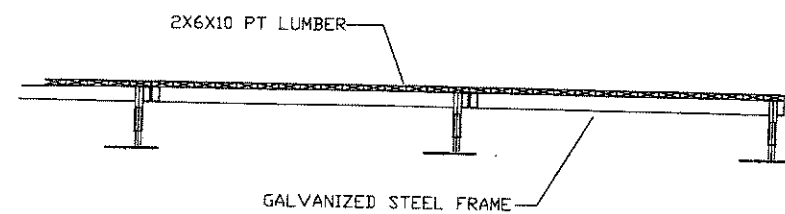
SCALE AS NOTED

DRAWN BY: C. SULLIVAN	DESIGNED BY: C. SULLIVAN	REVIEWED BY: T. WATSON
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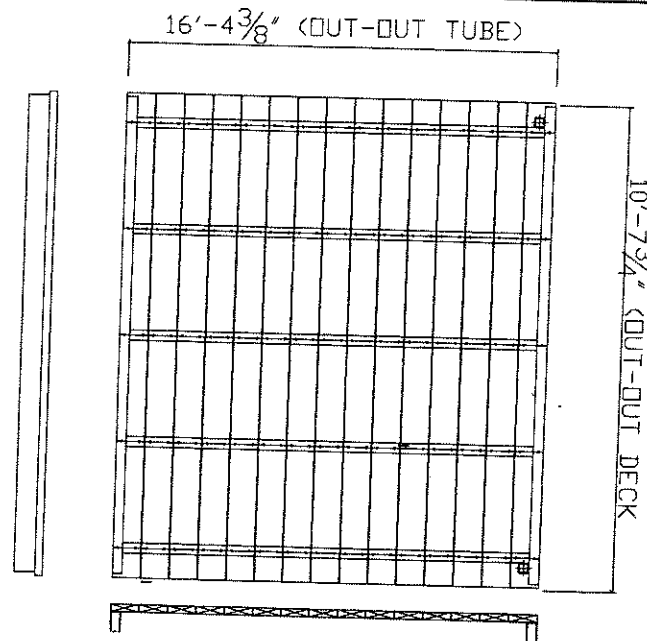
DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
DETAIL SHEET

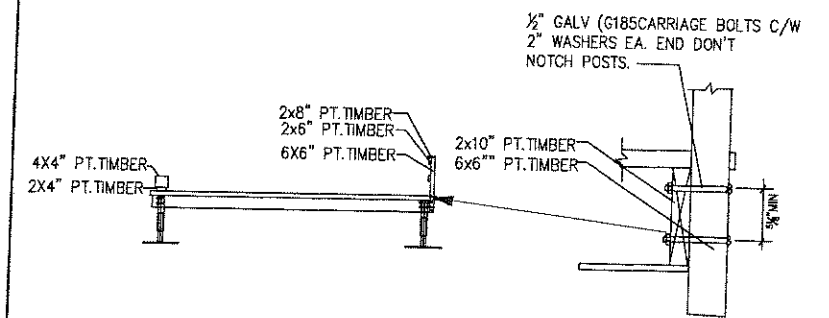
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PROJECT LOCATION  
229 MAIN STREET  
SHEET  
14  
OF 28



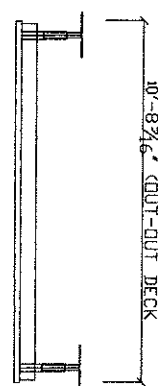
**DETAIL 1**  
SCALE: NOT TO SCALE  
**GALVANIZED STEEL BOARDWALK**



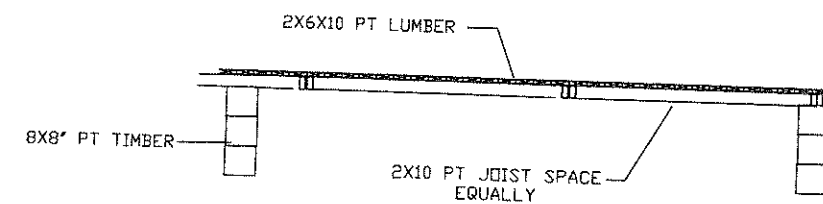
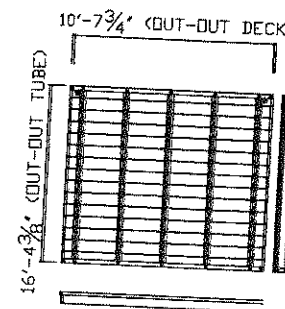
**DETAIL 3**  
SCALE: NOT TO SCALE  
**SECTION DECKING**



**DETAIL 4**  
SCALE: NOT TO SCALE  
**RAILING AND KICK DETAIL**



**DETAIL 2**  
SCALE: NOT TO SCALE  
**SECTION**



**DETAIL 5**  
SCALE: NOT TO SCALE  
**TIMBER BOARDWALK DETAIL**

**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE



SCALE AS NOTED

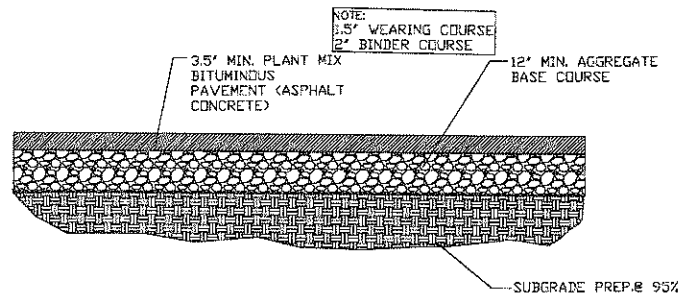
DRAWN BY:	DESIGNED BY:	REVIEWED BY:
C. SULLIVAN	C. SULLIVAN	T. WATSON

DATE  
MONTH  
YEAR

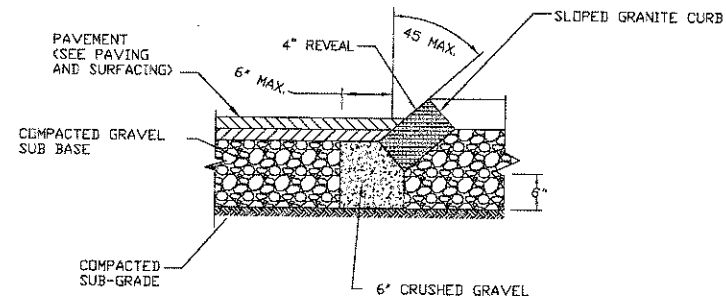
NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
PLANNING DEPARTMENT  
**BOARDWALK**

229  
MAIN  
STREET  
SHEET  
15  
OF 28

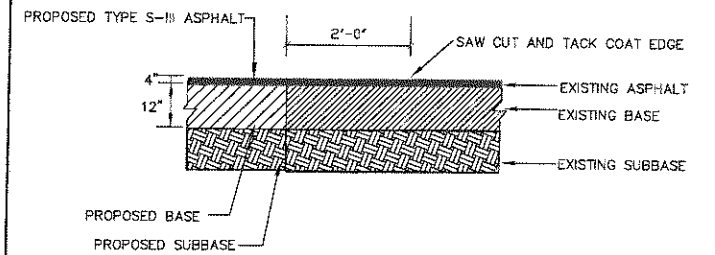




**DETAIL 1**  
SCALE: NOT TO SCALE  
PARKING LOT PAVEMENT DETAIL

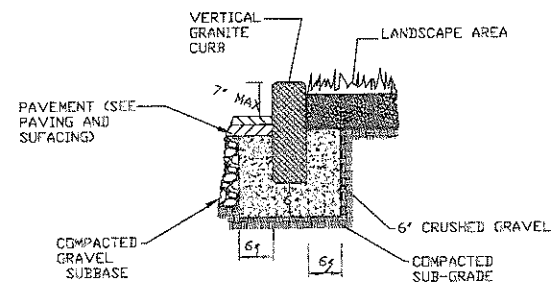


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SCALE: NOT TO SCALE  
SLOPED GRANITE CURB

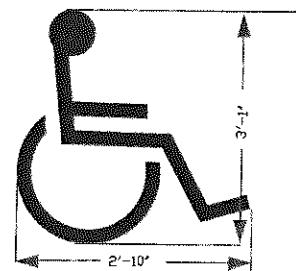


NOTES:  
1. PLACE AND COMPACT GRAVEL PRIOR

**DETAIL 5**  
SCALE: NOT TO SCALE  
ABUTTING NEW AND

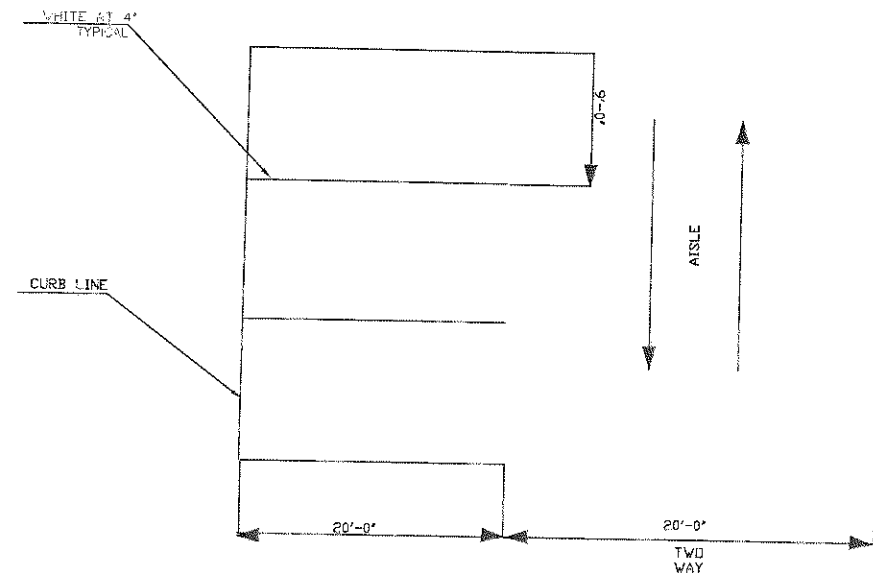


**DETAIL 2**  
SCALE: NOT TO SCALE  
VERTICAL GRANITE CURB



NOTE:  
COLOR OF THE SYMBOL  
SHALL BE BLUE

**DETAIL 4**  
SCALE: NOT TO SCALE  
HANDICAPPED SYMBOL



**DETAIL 6**  
SCALE: NOT TO SCALE  
90° PARKING LAYOUT

**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

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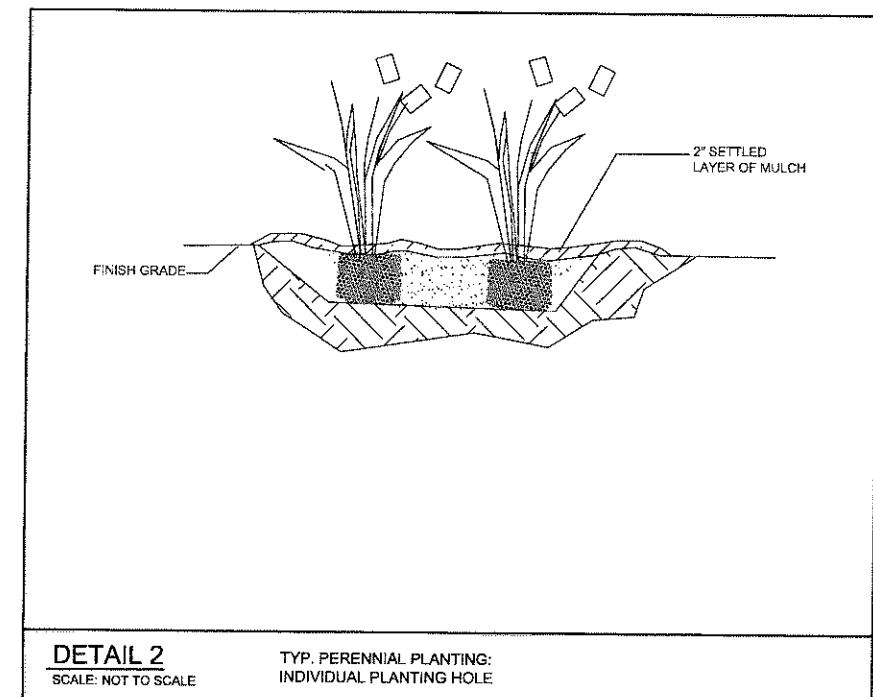
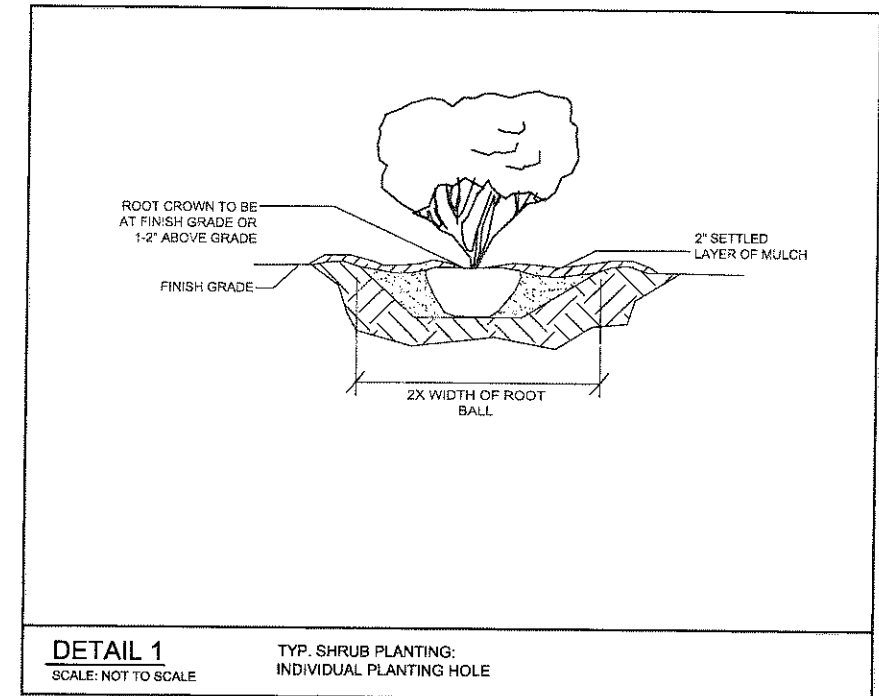
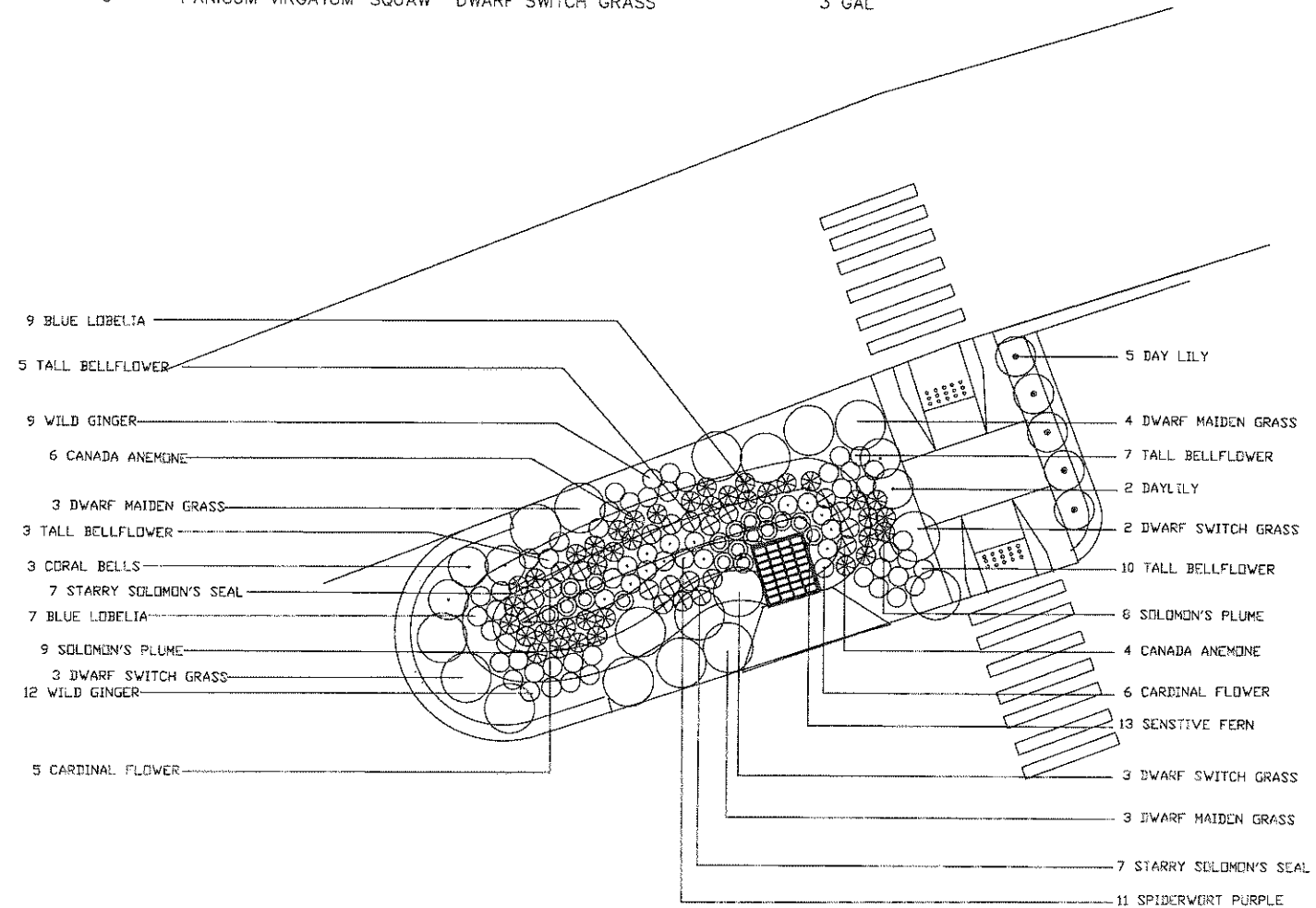
DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
PARKING DETAIL SHEET

TAX MAP SYMBOL  
PROPERTY LOCATION  
229  
MAIN  
STREET  
SHEET  
16  
OF 26

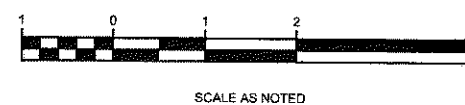
# PLANT LIST

QTY	SCIENTIFIC NAME	COMMON NAME	SIZE
25	CAMPANULA AMERICANA	TALL BELLFLOWER	1 GAL
20	ANEMONE CANADENSIS	CANADA ANEMONE	1 GAL
10	ASARUM CANADENSE	WILD GINGER	1 GAL
16	LOBELIA SIPHILITICA	BLUE LOBELIA	1 GAL
11	LOBELIA CARDINALIS	CARDINAL FLOWER	1 GAL
13	ONOCLEA SENSIBILIS	SENSITIVE FERN	1 GAL
17	SMILACINA RACEMOSA	SOLOMON'S PLUME	1 GAL
11	TRADANTIA OHIENSIS	SPIDERWORT PURPLE	1 GAL
3	HEUCHERA	CORAL BELLS	1 GAL
14	SMILACINA STELLATA	STARRY SOLOMON'S SEAL	1 GAL
7	HERMEROCALLIS SP.	DAYLILY	1 GAL
10	MISCANTHUS SINENSIS	*YAKUSHIMA DWARF MAIDEN GRASS	3 GAL
9	PANICUM VIRGATUM 'SQUAW'	DWARF SWITCH GRASS	3 GAL



**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE

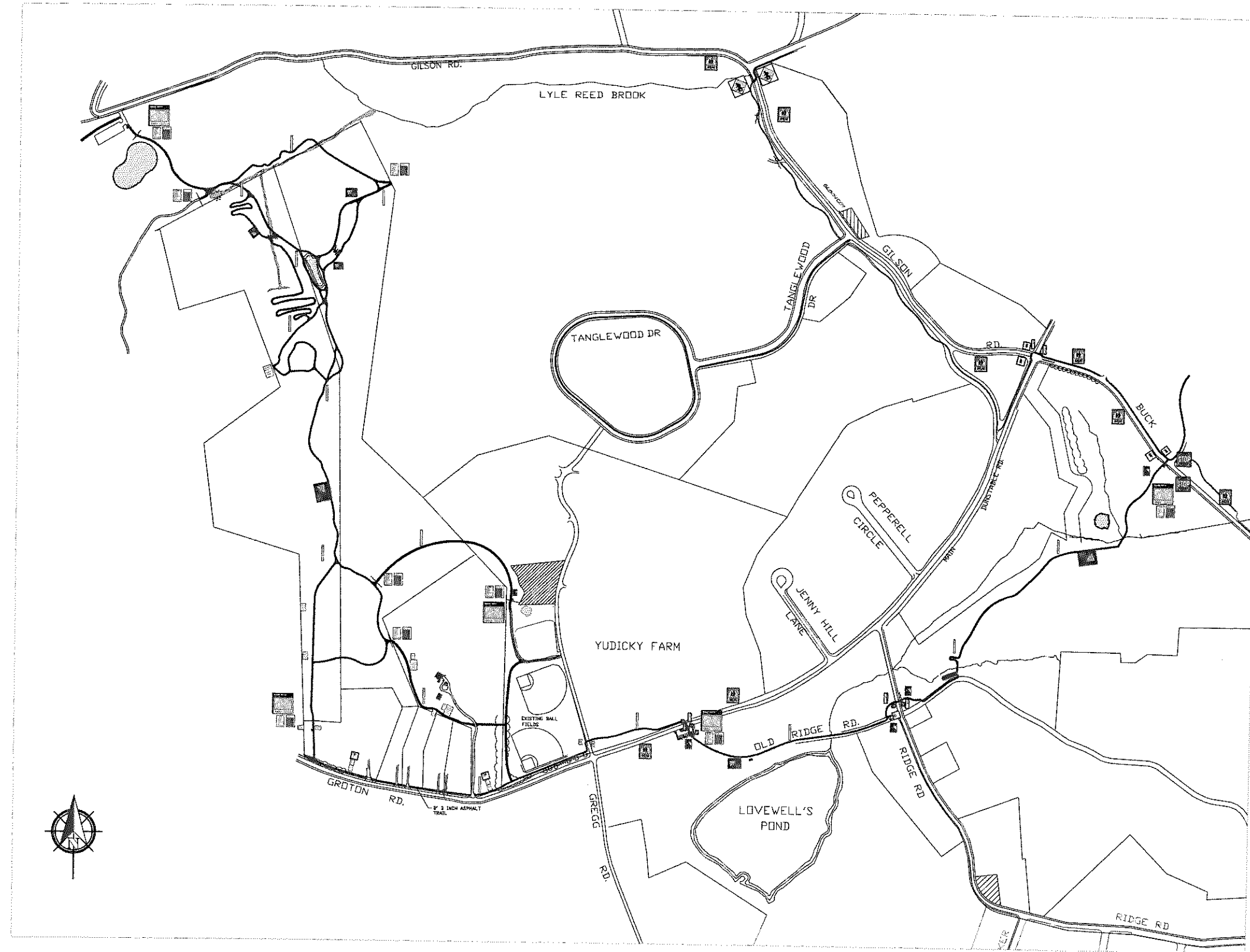


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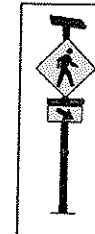
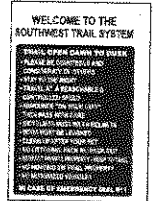
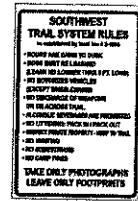
DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS  
PLANNING DEPARTMENT**  
DETAIL SHEET

AX MAP PARCEL  
CITY ZONE  
PROPERTY LOCATION  
229  
MAIN  
STREET  
SHEET  
17  
OF 28



## SIGNS



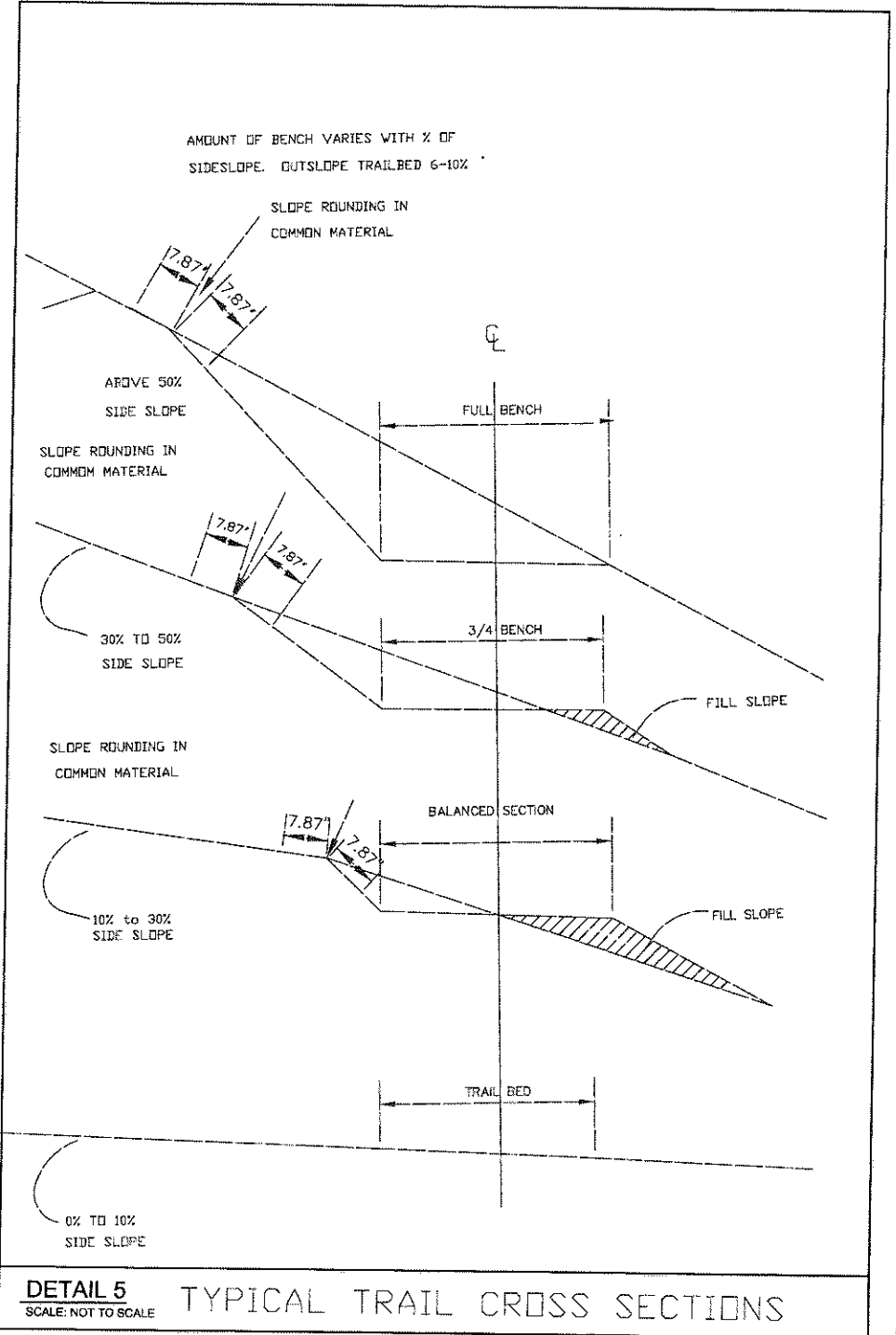
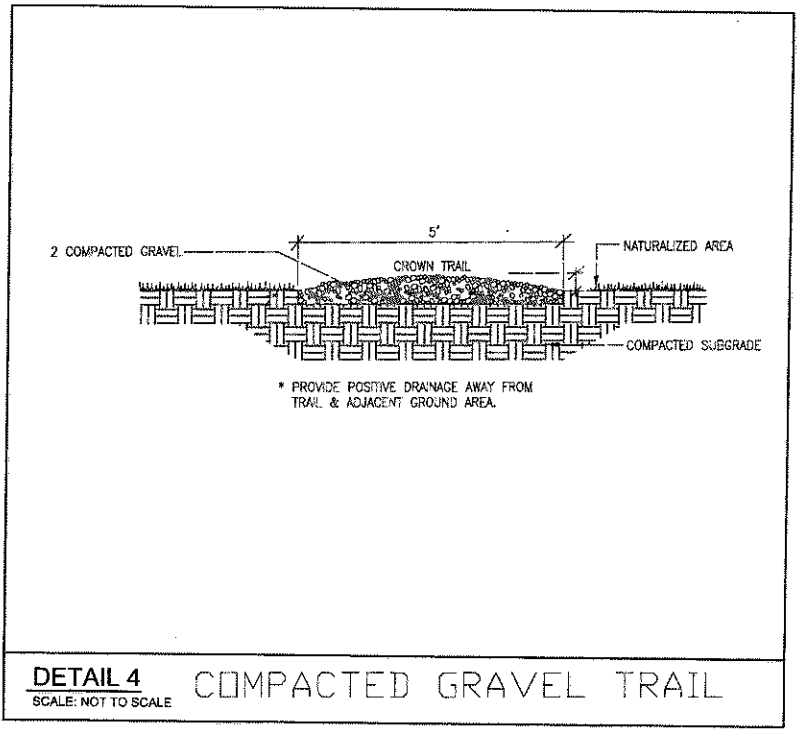
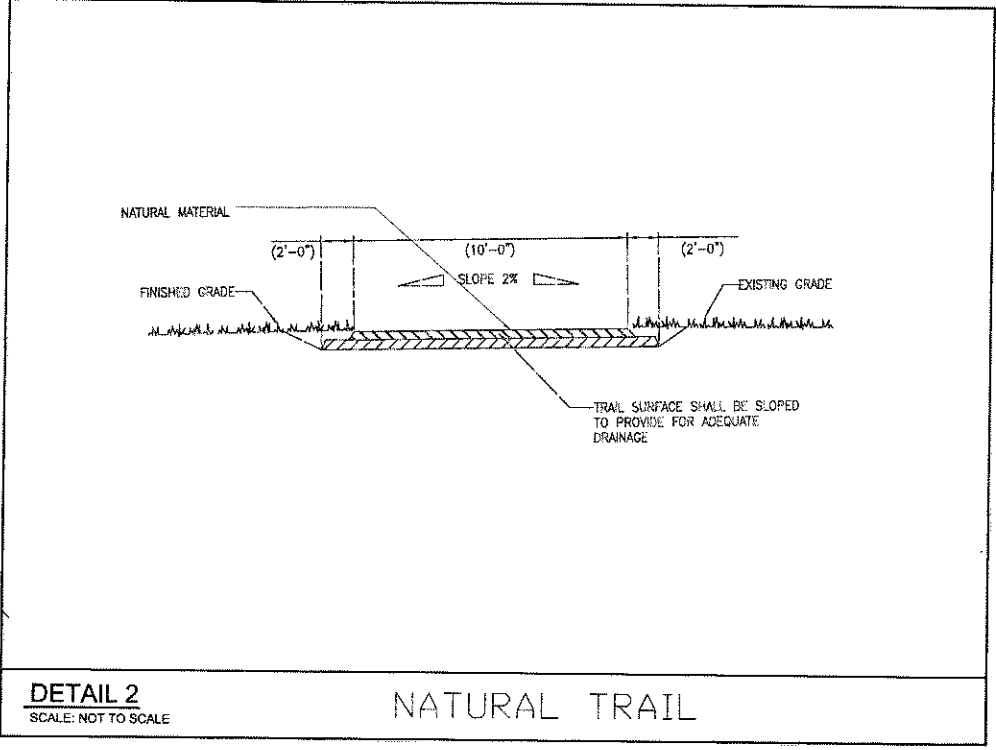
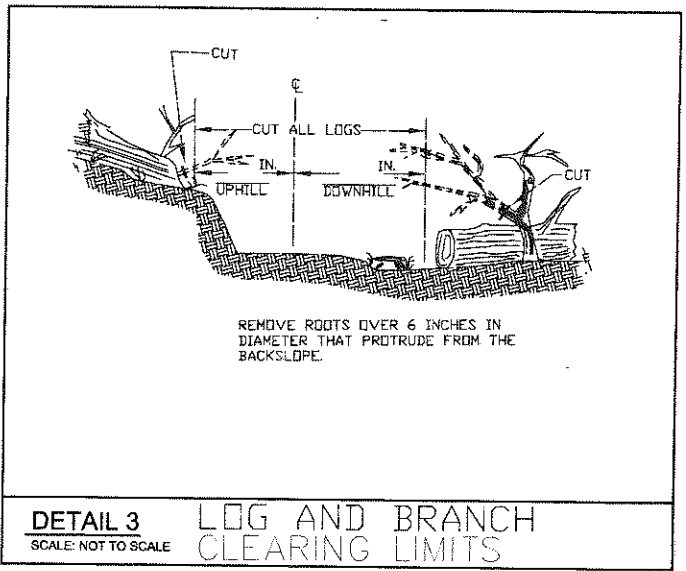
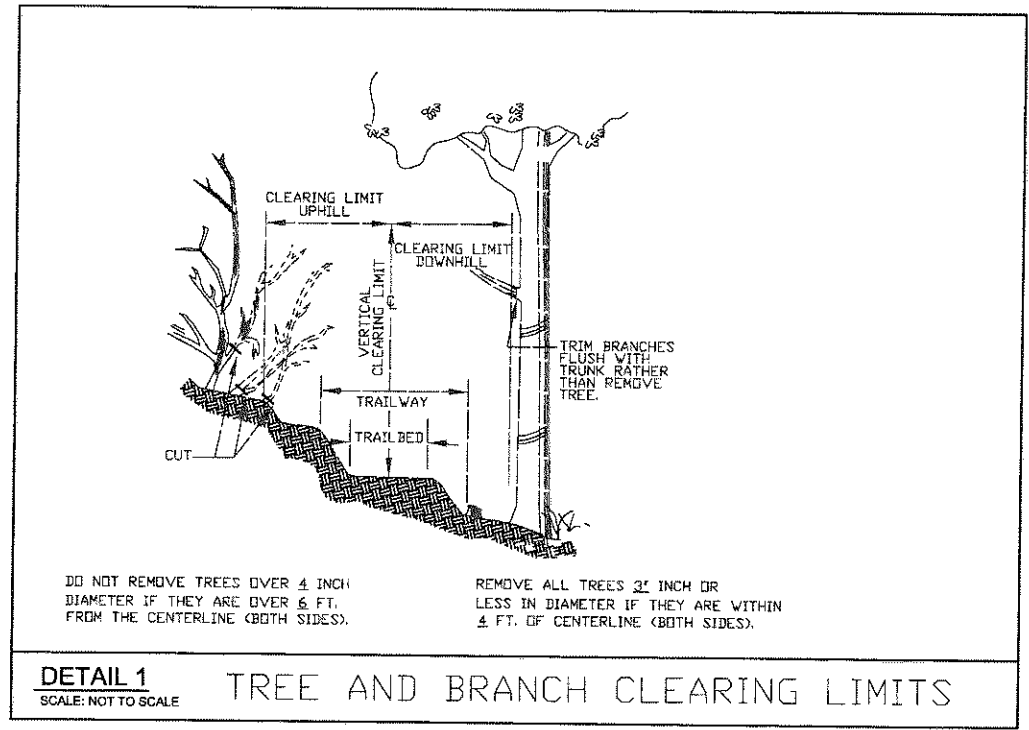
NO.	REVISION DESCRIPTION	DATE

## SOUTHWEST TRAIL PROJECT SIGN PLAN

L GROTON RD, L OLD RIDGE RD, L BUCKMEADOW

SCALE: 1"=105'  
PREPARED BY:

**CITY OF NASHUA NEW HAMPSHIRE**  
PLANNING DEPARTMENT  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061



**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE

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SCALE AS NOTED		
DRAWN BY:	DESIGNED BY:	REVIEWED BY:
C. SULLIVAN	C. SULLIVAN	T. WATSON

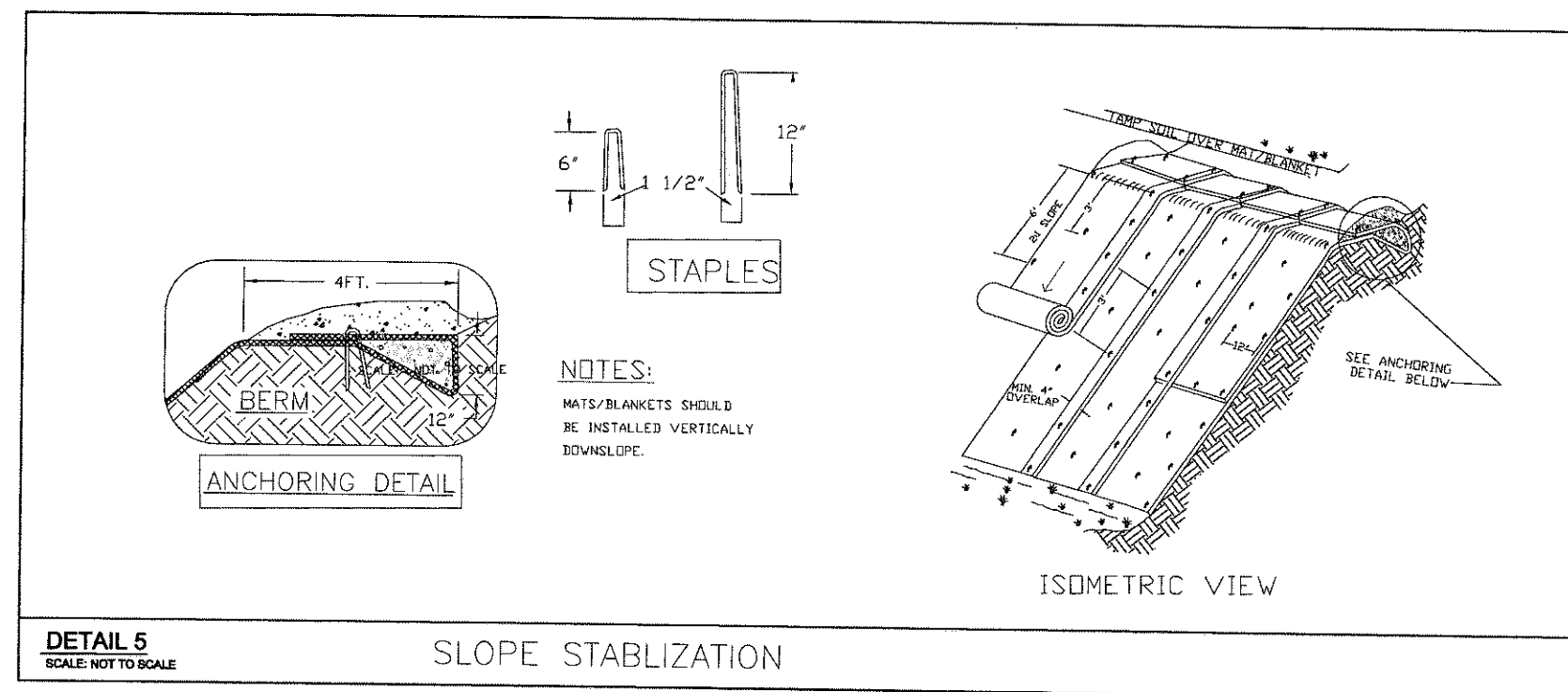
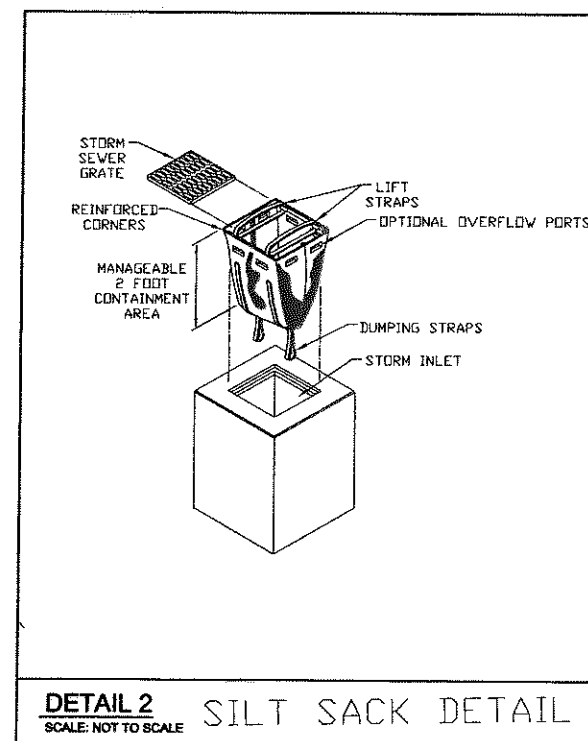
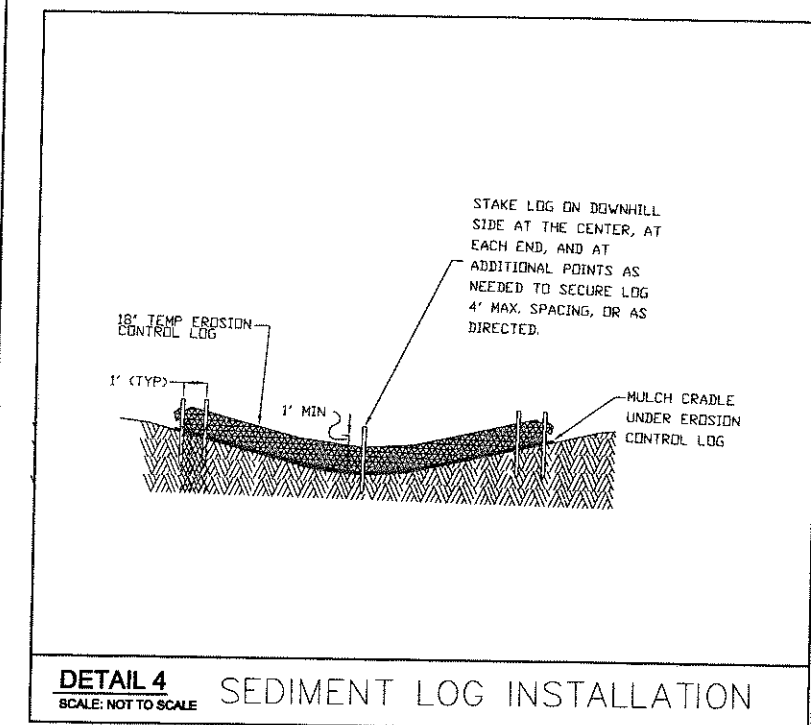
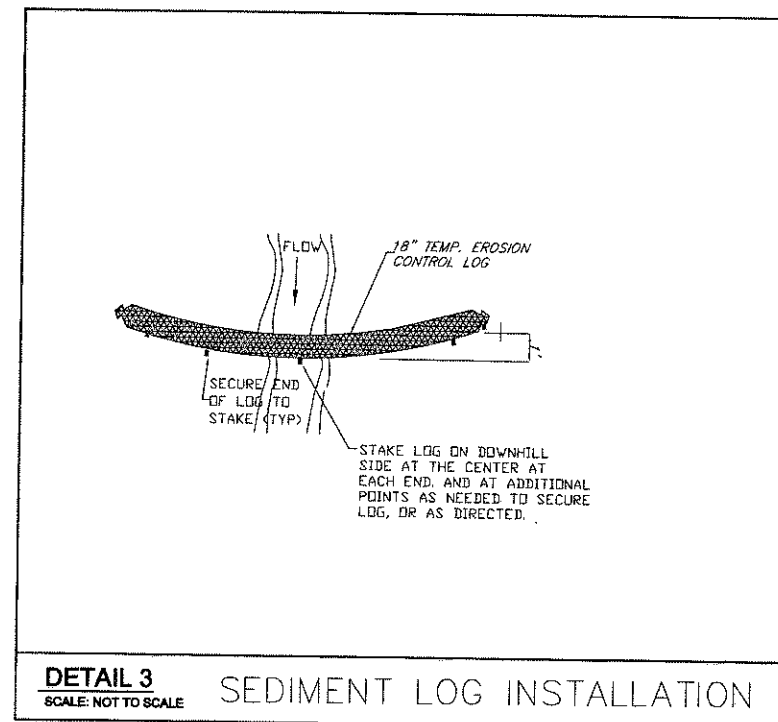
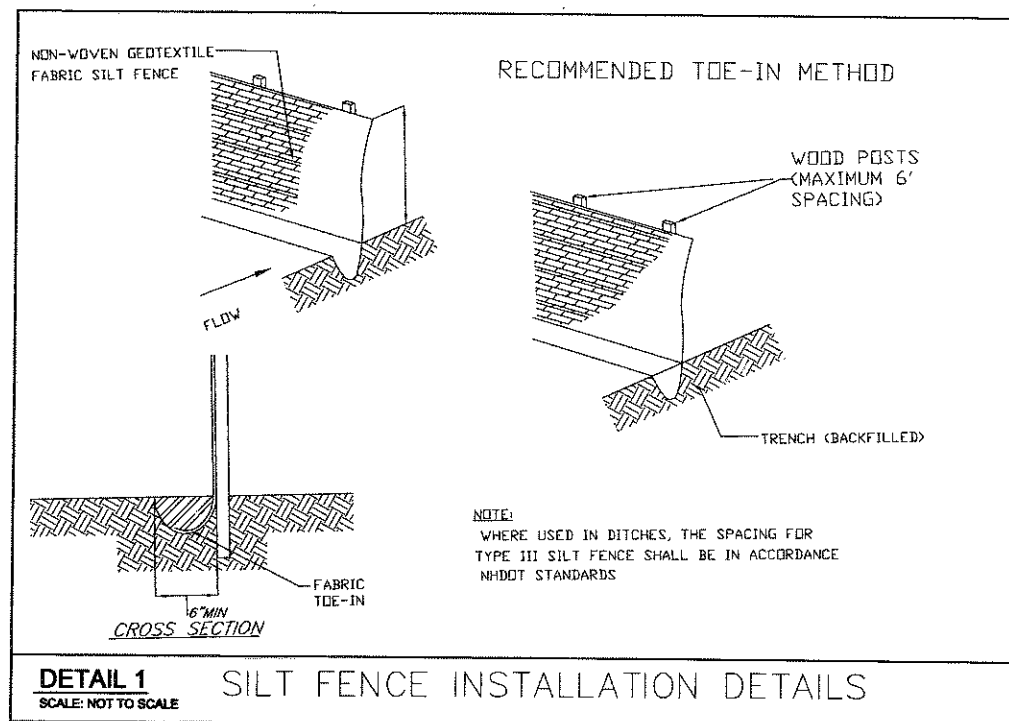
NASHUA, NEW HAMPSHIRE  
PLAN OF

**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
NATURAL TRAIL DETAIL SHEET

DATE  
SEPTEMBER  
2014

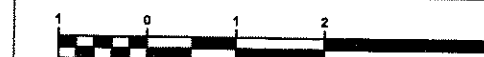
229 MAIN STREET

SHEET  
19  
OF 28



CITY OF NASHUA NEW HAMPSHIRE  
PLANNING DEPARTMENT  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE

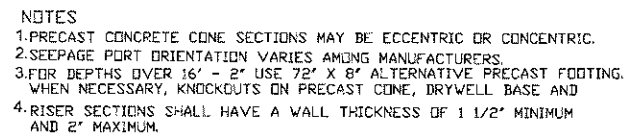


DRAWN BY: C. SULLIVAN  
DESIGNED BY: C. SULLIVAN  
REVIEWED BY: T. WATSON

DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
PLANNING DEPARTMENT  
EROSION CONTROL DETAIL SHEET

DATE  
229  
MAIN  
STREET  
SHEET  
20  
OF 28



**DETAIL 1**  
SCALE: NOT TO SCALE



**DETAIL 2**  
SCALE: NOT TO SCALE



**DETAIL 3**  
SCALE: NOT TO SCALE



NOTE  
USE WHERE BICYCLE AND/OR VEHICLE  
TRAFFIC CROSSES GRATE.

**DETAIL 4**  
SCALE: NOT TO SCALE

1. PLANT WITH PLANTS PER LANDSCAPE ARCHITECT DWGS. NATIVE PLANTS ARE PREFERRED, BECAUSE NON-NATIVE AND INVASIVE SPECIES CAN REPRODUCE DOWNSTREAM AND DAMAGE HABITAT. IF NON-NATIVES ARE CHOSEN, BE SURE THAT THEY WILL NOT DAMAGE DOWNSTREAM HABITAT.

2. BUILD AND VEGETATE RAIN GARDEN AS EARLY AS POSSIBLE TO ESTABLISH PLANTINGS BEFORE DIRECTING STORMWATER RUNOFF TO IT, OR DIVERT STORMWATER AROUND FACILITY. PREFERABLY, THIS PERIOD SHOULD LAST A MINIMUM OF 3 MONTHS OR PER LANDSCAPE ARCHITECT/DESIGNER GUIDELINES.
3. INFILTRATION AREAS (THE AREA OF THE RAIN GARDEN AS DEFINED BY THE TOP ELEVATION OF THE FACILITY) SHALL BE FENCED OFF FROM THE FIRST DAY OF EARTH MOVING UNTIL PROJECT COMPLETION TO PREVENT COMPACTION OF THE SUBGRADE, DIRT TRACKING ONTO ANY LAYER OF THE FACILITY AND STOCKPILING OF CONSTRUCTION MATERIALS THAT MAY CLOG THE SURFACE.
4. DURING EXCAVATION OF NATIVE SOILS TO THE BOTTOM OF THE FACILITY, RAINFALL MAY CAUSE FINES TO CLOG THE SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAINFALL, HAND RAKE THE SURFACE TO A DEPTH OF 3" TO RESTORE INFILTRATION CAPACITY.

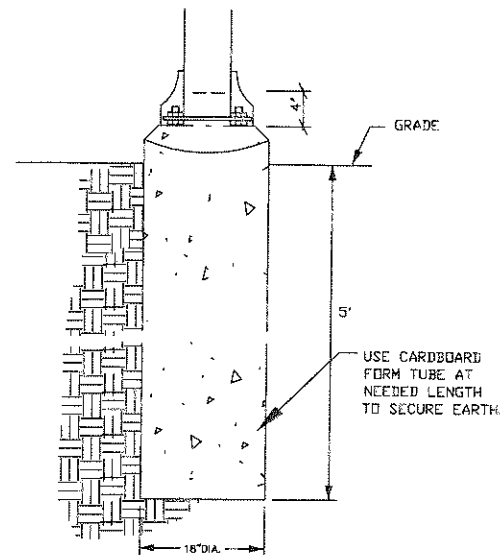
4. DURING EXCAVATION OF NATIVE SOILS TO THE BOTTOM OF THE FACILITY, RAINFALL MAY CAUSE FINES TO CLOG THE SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAIN FALL, HAND RAKE THE SURFACE TO A DEPTH OF 3" TO RESTORE INFILTRATION CAPACITY.
6. CALL THE CIVIL ENGINEER, [ENTER NAME HERE] AT [ENTER PHONE NUMBER HERE] 24 HOURS IN ADVANCE OF CONSTRUCTING THIS FACILITY SO CONSTRUCTION OBSERVATION MAY BE PERFORMED TO IDENTIFY VARIATIONS IN THE FIELD THAT MAY AFFECT DESIGN AND
7. DURING AREA DRAIN INSTALLATION, DISTURB NATIVE SOILS AS



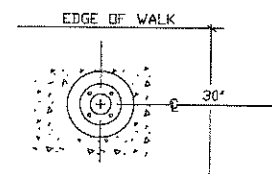
DRAWN BY:	DESIGNED BY:	REVIEWED BY:
C. SULLIVAN	C. SULLIVAN	T. WATSON

DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
DRAINAGE DETAIL SHEET



SOLAR ILLUMINATION SL 15 SOLAR RICHMOND STREET LIGHT LAMP POST WITH SOLAR LIGHT REQUIRES A SOLID, LEVEL, HORIZONTAL SURFACE TO FIX TO. HOLES ARE PRE-DRILLED INTO THE PEDESTAL BASE FOR SCREW OR BOLT DOWN FIXING. THE PRE-DRILLED HOLES ARE APPROX. 1/2" THE PEDESTAL BASE HAS A FOOTPRINT OF APPROXIMATELY 10" SUPPLIED IN SECTIONS WHICH SIMPLY FITS TOGETHER IN MINUTES. POLE HEIGHT ALONE, IS APPROX. 10' FOR INSTALLATION, EXPANDING ANCHOR BOLTS AND TEMPLATE ARE INCLUDED.

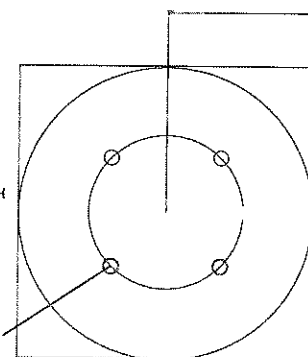


HEADQUARTERS ADDRESS:  
5611 Halifax Avenue  
Fort Myers, Florida, 33912, USA  
Phone(239) 461-5522  
Fax(239) 337-7887  
sales@solarilluminations.com

**DETAIL 1**  
SCALE: NOT TO SCALE

## LIGHT POLE BASE

4 - 0.75" ANCHOR BOLTS  
EQUALLY SPACED ON A 12.5" BOLT CIRCLE POSITIONED SUCH  
THAT THE PEDESTAL BASE ACCESS DOOR IS ON THE SIDE  
AWAY FROM TRAFFIC

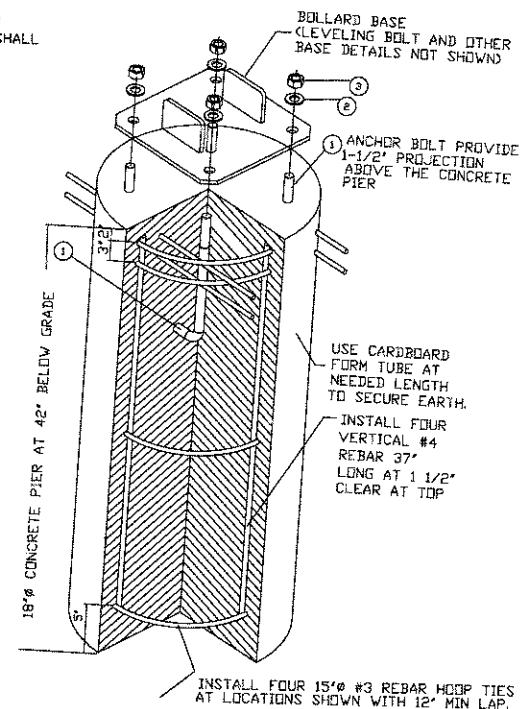


90° ELBOWS - NUMBER, SIZE & TYPES  
ARE REQUIRED IN PLANS OR SPECIAL  
PREVISIONS

**DETAIL 2**  
SCALE: NOT TO SCALE

## PEDESTRIAN LIGHT POLE BASE PLAN

NOTE:  
SAND TUBES USED FOR  
FOR BRIDGE FOOTING SHALL  
3" DIA.

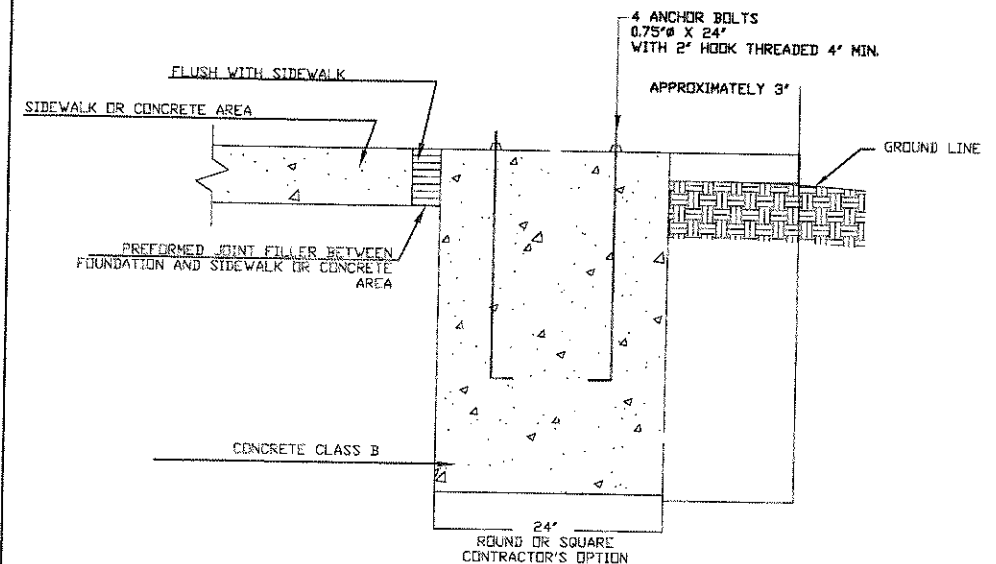


**DETAIL 3**  
SCALE: NOT TO SCALE

## BOLLARD & BRIDGE BASE

### NOTES:

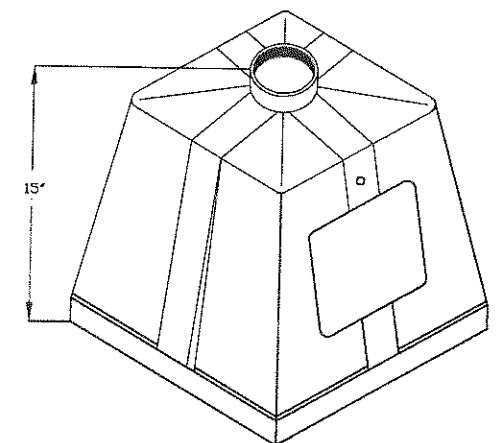
1. SIZE OF FOUNDATION MAY BE CHANGED IN THE PLANS OR SPECIAL PROVISIONS, OR IN THE FILED AS DIRECTED BY THE ENGINEER.
2. ALL EXPOSED EDGES SHALL BE CHAMFERED 0.75".
3. OPEN ENDS OF ALL CONDUITS INTO FOUNDATION SHALL BE CAPPED UNTIL IL CABLES ARE INSTALLED.



**DETAIL 5**  
SCALE: NOT TO SCALE

## PEDESTRIAN LIGHT POLE BASE

ITEM 1 & 2 OPTIONS	
DOOR:	ALUM, PLASTIC, OR BLANK PLASTIC
SETSCREWS IN COLLAR:	(1) 3/8" HEX HD BOLT (3) 3/8" SOC HD SETSCREWS
GROUNDING LUG	PAIN



**DETAIL 4**  
SCALE: NOT TO SCALE

## CONCRETE FOUNDATION FOR PEDESTALS

CITY OF NASHUA NEW HAMPSHIRE  
PLANNING DEPARTMENT  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE



SCALE AS NOTED

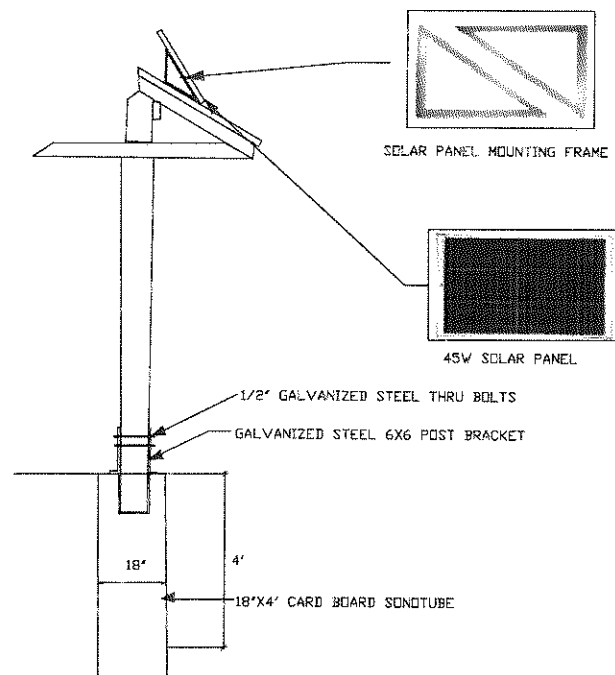
DRAWN BY:	DESIGNED BY:	REVIEWED BY:
C. SULLIVAN	C. SULLIVAN	T. WATSON

DATE  
SEPTEMBER  
2014

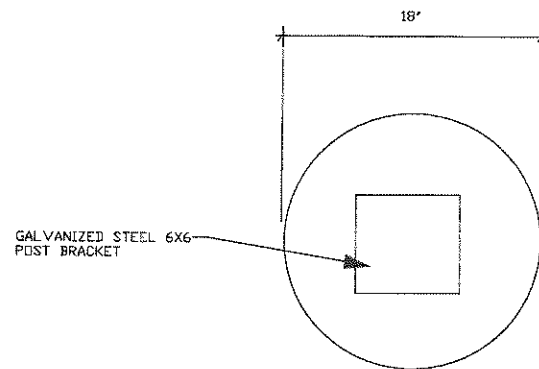
NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
PLANNING DEPARTMENT  
BASE DETAIL SHEET

TAXING BORDER  
PROPERTY LOCATION  
229 MAIN STREET  
SHEET  
22  
OF 28

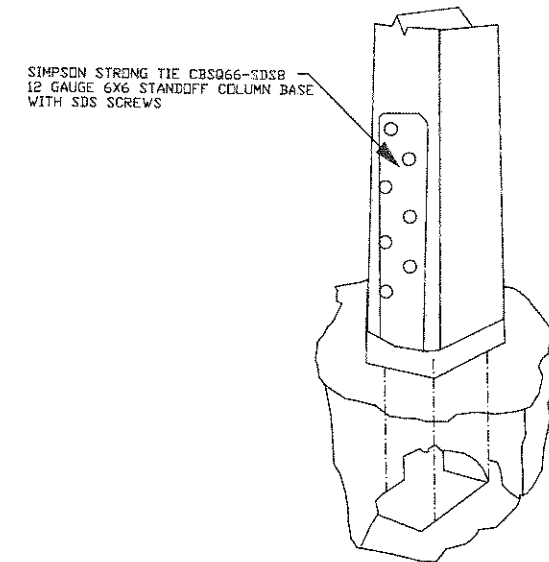




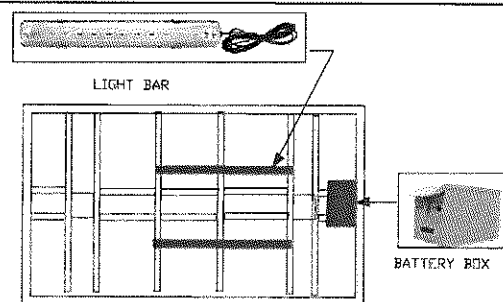
**DETAIL 1**  
SCALE: NOT TO SCALE  
TIMBER KIOSK FOOTING AND SOLAR PANEL



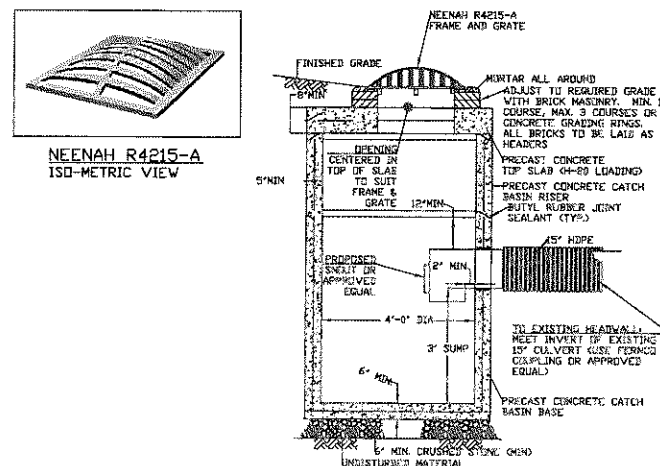
**DETAIL 3**  
SCALE: NOT TO SCALE  
PLAN VIEW



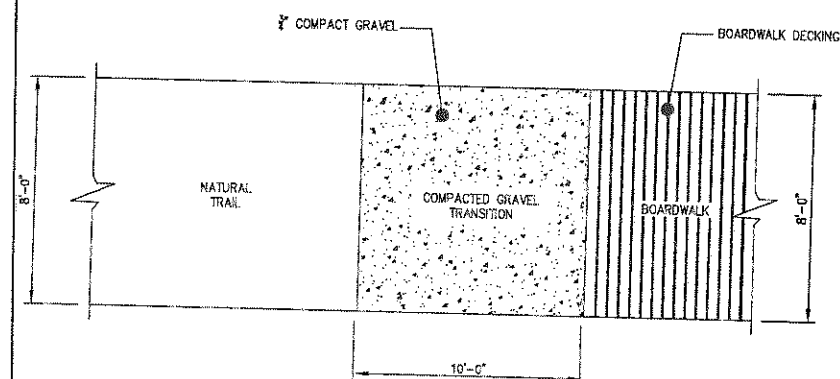
**DETAIL 4**  
SCALE: NOT TO SCALE  
POST DETAIL



**DETAIL 2**  
SCALE: NOT TO SCALE  
LIGHT BAR & BATTERY PLACEMENT



**DETAIL 5**  
SCALE: NOT TO SCALE  
GROTON RD CATCH BASIN DETAIL



**DETAIL 6**  
SCALE: NOT TO SCALE  
BOARDWALK / BRIDGE RAMP

**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE



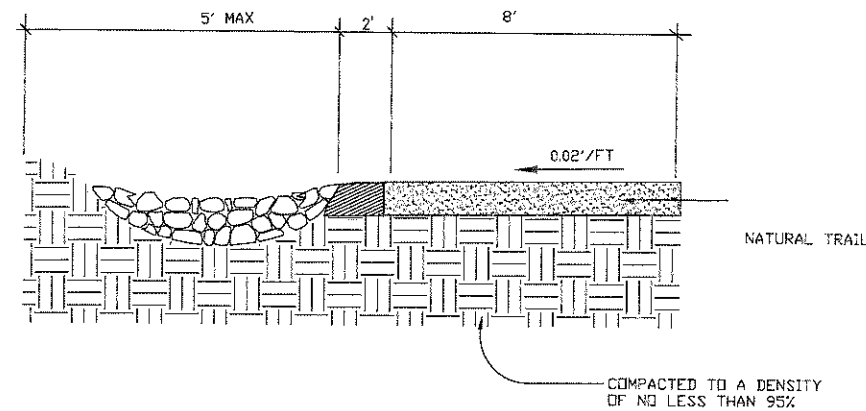
SCALE AS NOTED

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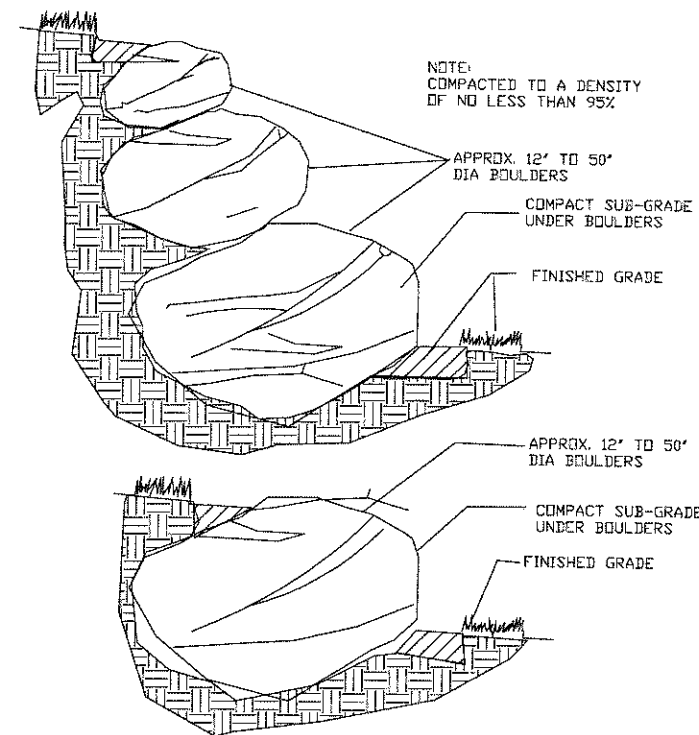
DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
KIOSK DETAIL SHEET

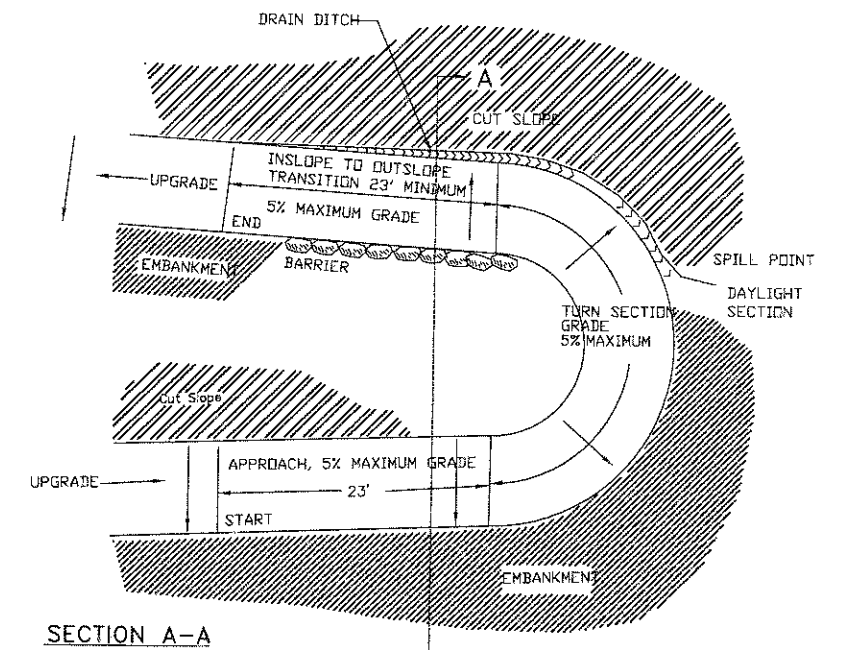
229  
MAIN  
STREET  
SHEET  
23  
OF 28



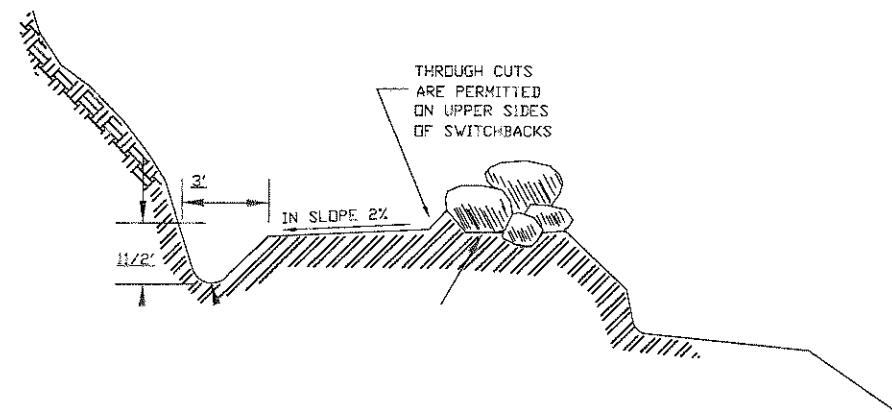
**DETAIL 1**  
SCALE: NOT TO SCALE  
TYPICAL TRAIL SWALE SECTION



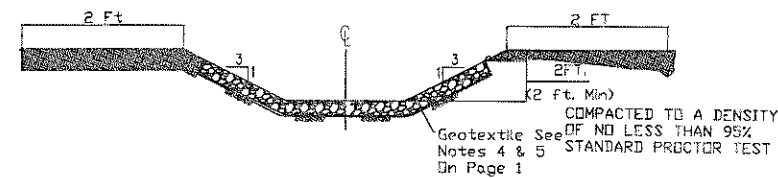
**DETAIL 3**  
SCALE: NOT TO SCALE  
BOULDER WALL DETAIL



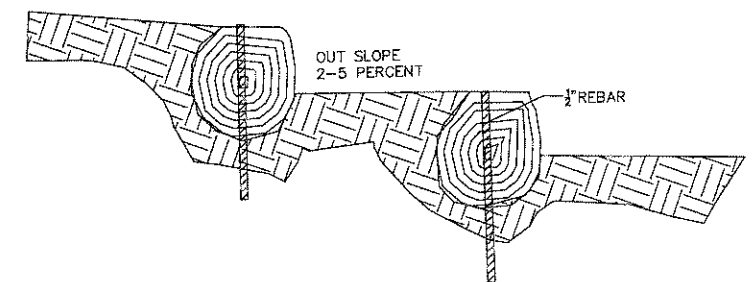
**DETAIL 5**  
SCALE: NOT TO SCALE  
SWITCHBACK PLAN VIEW



**DETAIL 2**  
SCALE: NOT TO SCALE  
SWITCHBACK- TYPE 1 SECTION A-A



**DETAIL 4**  
SCALE: NOT TO SCALE  
BIORETENTION SWALE DETAIL



**DETAIL 6**  
SCALE: NOT TO SCALE  
LOG STEPS

CITY OF NASHUA NEW HAMPSHIRE  
PLANNING DEPARTMENT  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

NO.	REVISION DESCRIPTION	DATE



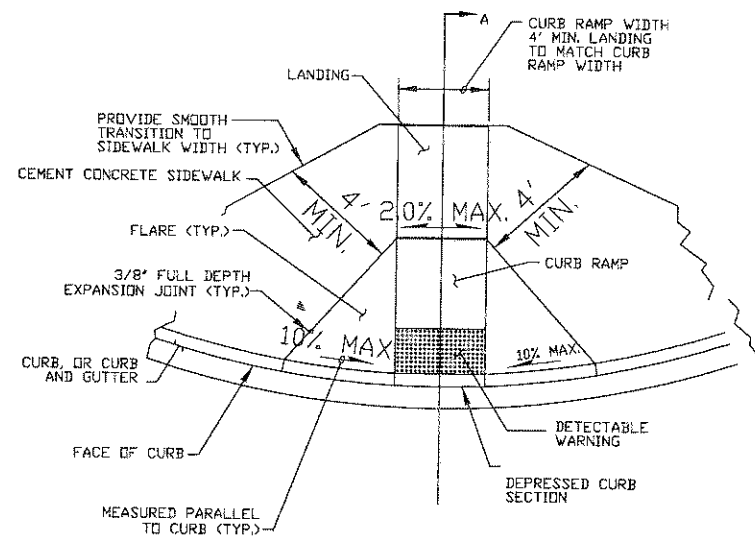
SCALE AS NOTED

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DATE  
SEPTEMBER  
2014

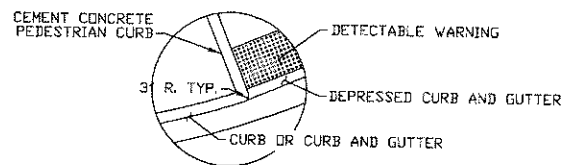
NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
PLANNING DEPARTMENT  
SWITCH BACK DETAIL SHEET

TAXING PARCEL  
229 MAIN STREET  
SHEET  
24  
OF 28



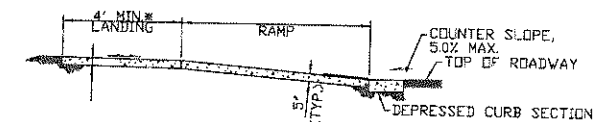
**DETAIL 1**  
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TIP DOWN PLAN



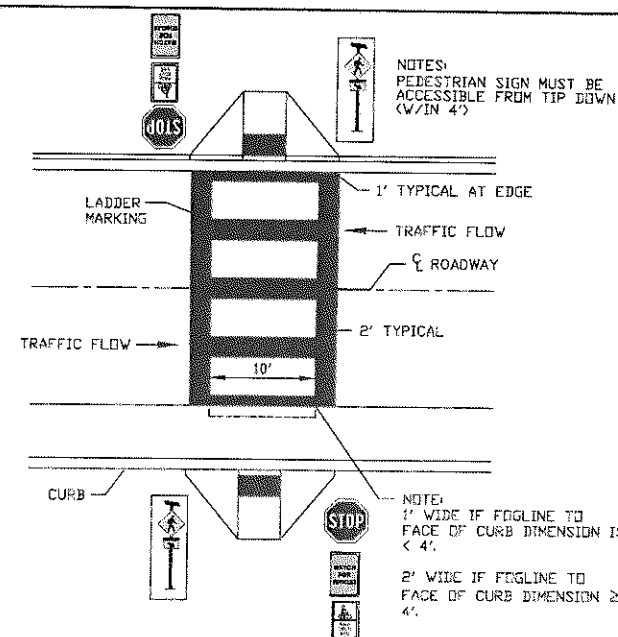
**DETAIL 2**  
SCALE: NOT TO SCALE

COMMON SIDEWALK/TRAIL DETAIL



**DETAIL 3**  
SCALE: NOT TO SCALE

SECTION A-A



**DETAIL 4**  
SCALE: NOT TO SCALE

CROSSWALK LAYOUT

**CITY OF NASHUA NEW HAMPSHIRE**  
**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

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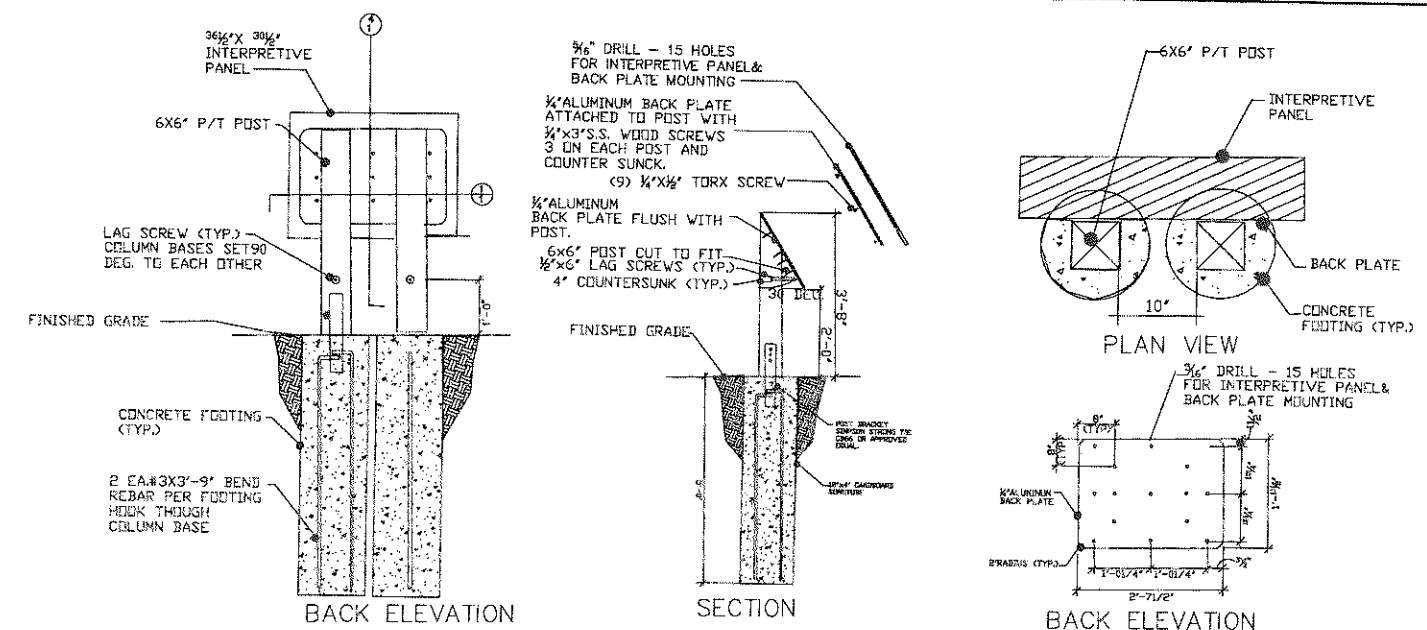
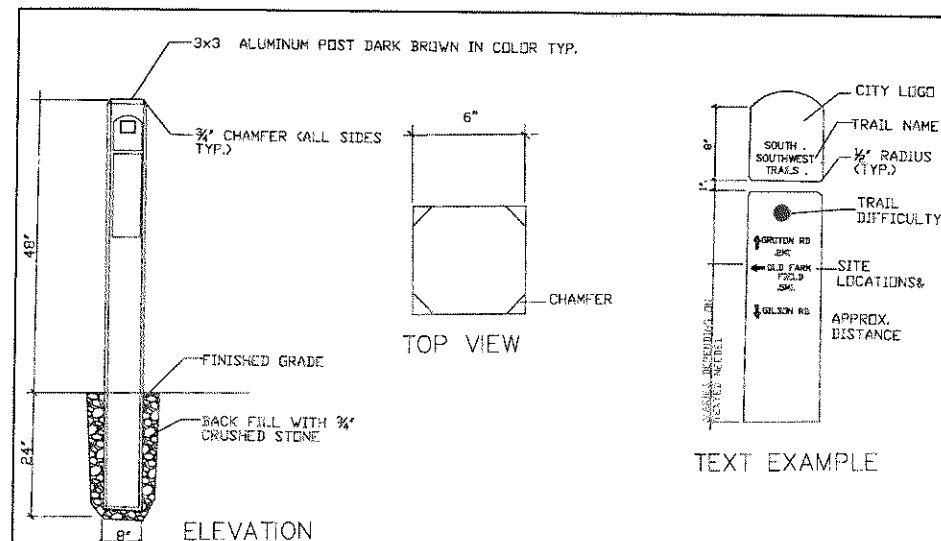
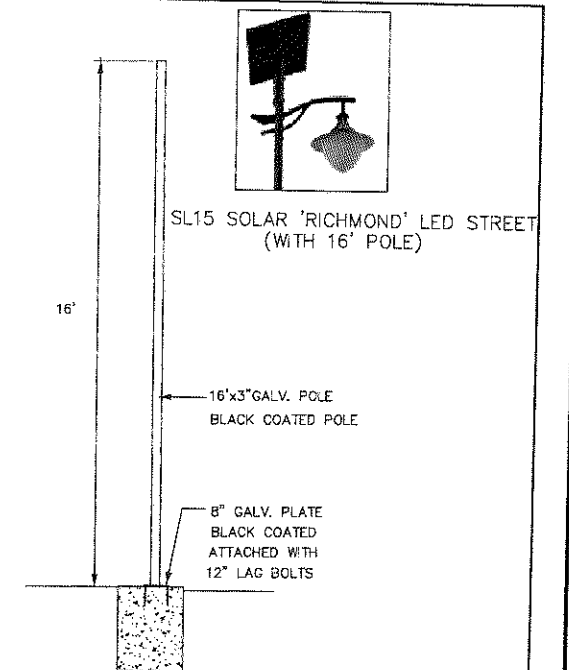
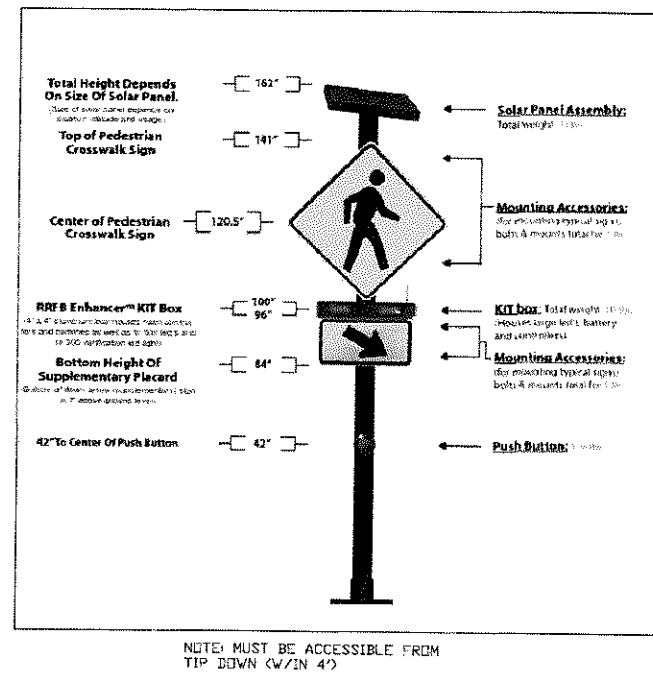
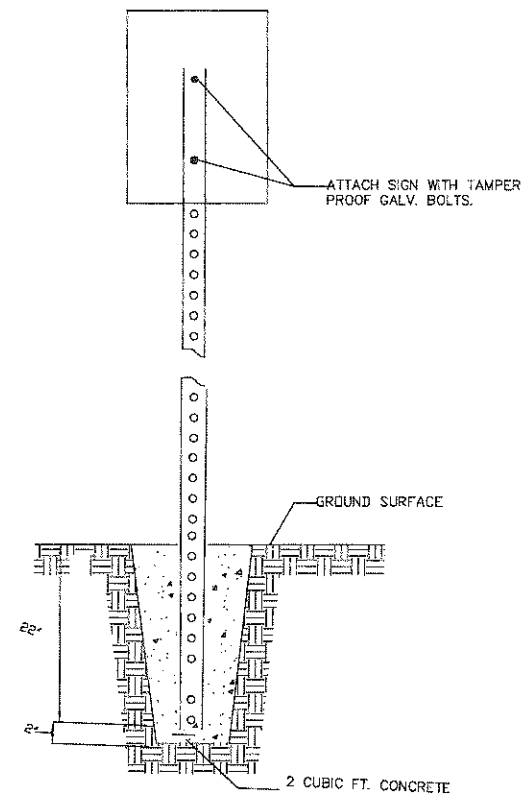
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C. SULLIVAN	C. SULLIVAN	T. WATSON

DATE  
MONTH  
YEAR

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
PLANNING DEPARTMENT  
**CROSSWALKS**

229  
MAIN  
STREET

SHEET  
**25**  
OF 28



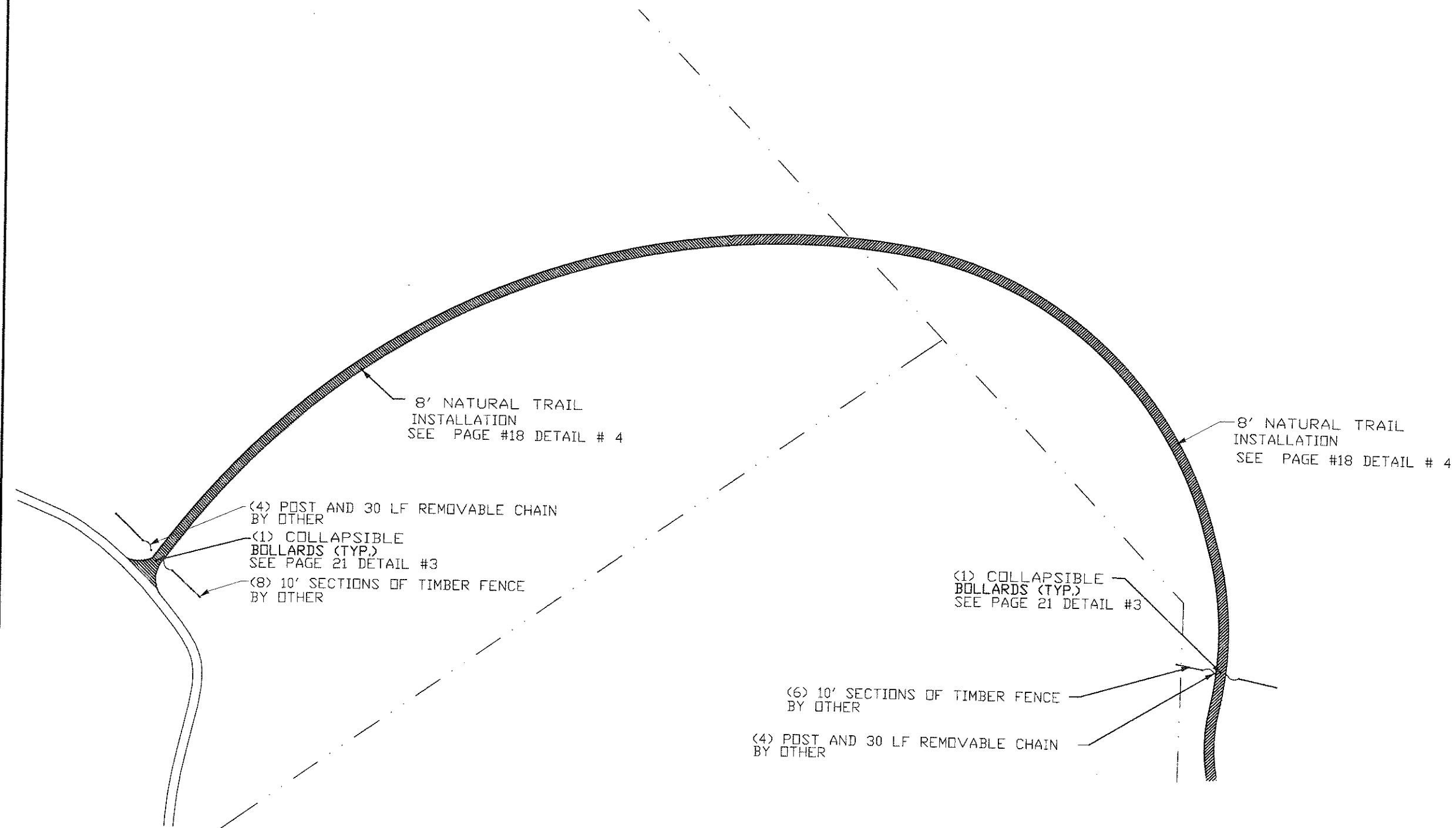
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**PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

[illegible]

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NASHUA, NEW HAMPSHIRE  
PLAN OF  
SOUTHWEST TRAILS  
PLANNING DEPARTMENT  
**SIGNS**

TAX MAP PARCEL  
MAP PCL  
PROPERTY LOCATION  
229  
MAIN  
STREET  
SHEET  
26  
OF 28



**CITY OF NASHUA NEW HAMPSHIRE  
PLANNING DEPARTMENT**  
229 MAIN STREET  
NASHUA, NEW HAMPSHIRE 03061

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DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS  
PLANNING DEPARTMENT**  
ADD ALTERNATE # 1 PLAN

DATE  
229  
MAIN  
STREET  
SHEET  
27  
OF 28

(1) COLLAPSIBLE  
BOLLARDS TYP.  
SEE PAGE 21 DETAIL #3

(4) POST AND 40 LF REMOVABLE CHAIN  
BY OTHER

(8) 10' SECTIONS OF TIMBER FENCE  
BY OTHER

8' NATURAL TRAIL  
STAKED OUT AND  
APPROVED BY  
OWNER  
SEE PAGE #18 DETAIL # 4

(1) COLLAPSIBLE  
BOLLARDS TYP.  
SEE PAGE 21 DETAIL #3

(8) POST AND 130 LF  
REMOVABLE CHAIN  
BY OTHER

8' NATURAL TRAIL  
SEE PAGE #18 DETAIL # 4

8' NATURAL TRAIL  
STAKED OUT AND  
APPROVED BY  
OWNER  
SEE PAGE #18 DETAIL # 4

(8) POST AND 130 LF  
REMOVABLE CHAIN  
BY OTHER

(1) COLLAPSIBLE  
BOLLARDS TYP.  
SEE PAGE 21 DETAIL #3

EXISTING BALL  
FIELDS

SEE PAGE 9 FOR THE  
REST OF THE TRAIL  
ADD ALTERNATE.

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**PLANNING DEPARTMENT**  
229 MAIN STREET  
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DATE  
SEPTEMBER  
2014

NASHUA, NEW HAMPSHIRE  
PLAN OF  
**SOUTHWEST TRAILS**  
**PLANNING DEPARTMENT**  
ADD ALTERNATE # 2 PLAN

TAX MAP  
PROPERTY LOCATION  
229  
MAIN  
STREET  
SHEET  
28  
OF 28